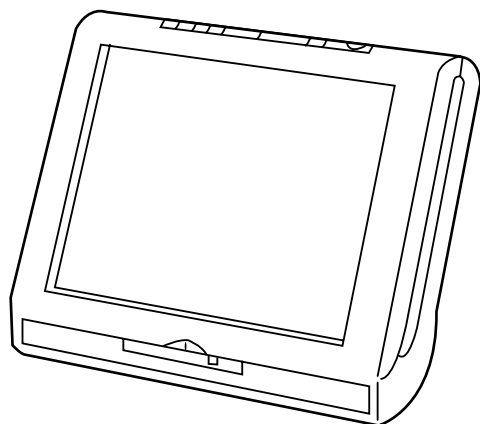


# SHARP SERVICE MANUAL



## LCD COLOUR TELEVISION

MODEL

# LC-10A3E

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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## IMPORTANT SERVICE SAFETY PRECAUTION

- Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

### WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

**CAUTION:** FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE. F3701 (1.25A, 250V), F3702 (1.25A, 250V), F3751 (2.0A, 250V) FUSE.

### BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

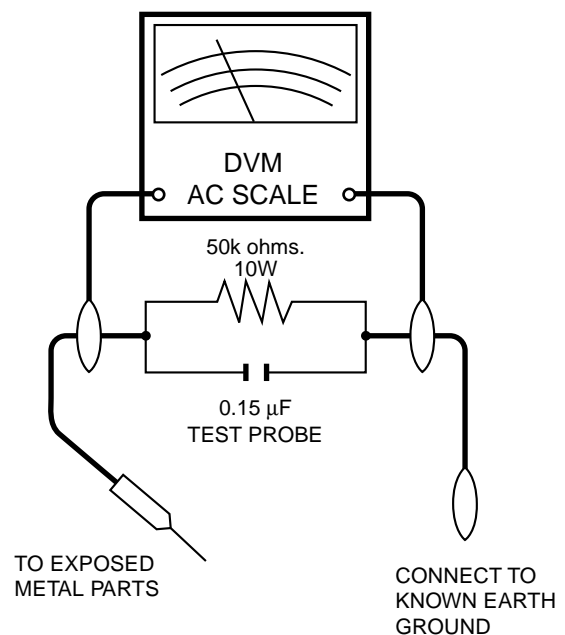
Before returning the receiver to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators and etc.
3. To be sure that no shock hazard exists, check for leakage current in the following manner.
  - Plug the AC cord directly into a 110~240 volt AC outlet, and connect the DC power cable into the receiver's DC jack. (Do not use an isolation transformer for this test).
  - Using two clip leads, connect a 50k ohm, 10 watt resistor paralleled by a 0.15 $\mu$ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.

- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon and etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 35V peak (this corresponds to 0.7 milliamp. peak AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



### SAFETY NOTICE

Many electrical and mechanical parts in LCD television have special safety-related characteristics. These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage and etc. Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by “⚠”

and shaded areas in the **Replacement Parts Lists** and **Schematic Diagrams**.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

# Specifications

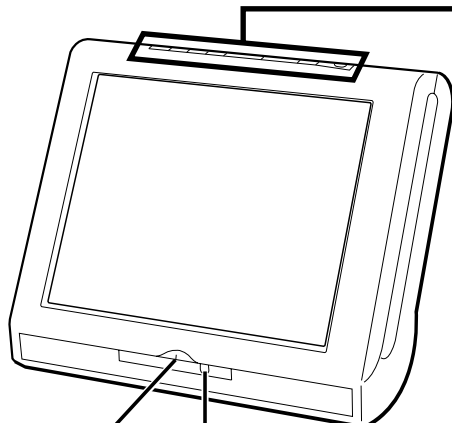
---

LCD panel .....	10.4" TFT LCD
Number of dots .....	921,600 dots VGA
Video colour systems.....	PAL/NTSC/SECAM
TV FUNCTION	
TV Standard (CCIR) .....	I/DK/BG
TV Tuning System .....	Auto preset 100 ch.
STEREO/BILINGUAL .....	NICAM, IGR
AUTO PRESET .....	YES
CATV .....	~Hyper Band
4-LINE COMB FILTER .....	Yes
Luminance .....	400 cd/m <sup>2</sup>
Lamp life .....	60,000 Hours
Viewing angles .....	H : 120° V : 100°
Audio amplifier .....	1.0 W × 2
Speakers .....	3 × 4 cm, 2 pcs
Terminals	
AV1 .....	AV-IN 1, S-VIDEO-IN
AV2 .....	AV-IN 2
AV OUT .....	AV-OUT
ANT .....	DIN
H/P .....	3.5 mm ø jack (Rear)
OSD Language .....	English/German/Dutch/French/Italian/Spanish/Swedish
Power supply .....	DC 12 V, AC110-240 V, 50/60 Hz
Weight .....	1.9 kg w/o accessories
Accessories .....	R/C, Batteries, Wall mount parts, AC adaptor, AC cord, AV cable for mini-jack

*Design and specifications are subject to change without notice.*

# Operation Manual

## Main unit (front view)

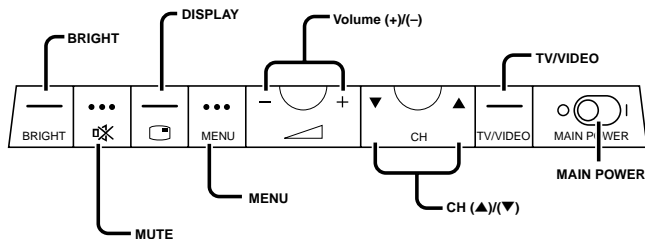


**Remote sensor window**  
(The actual location is not visible)

### Power/standby indicator

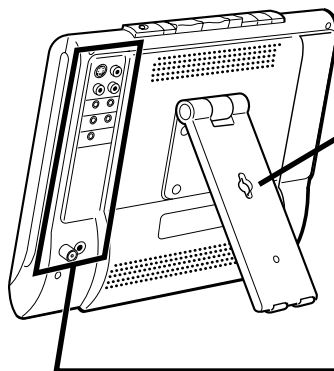
A green indicator lights when the power is on and a red indicator lights when in the standby mode (the indicator will not light when the power is off).

## Top control panel



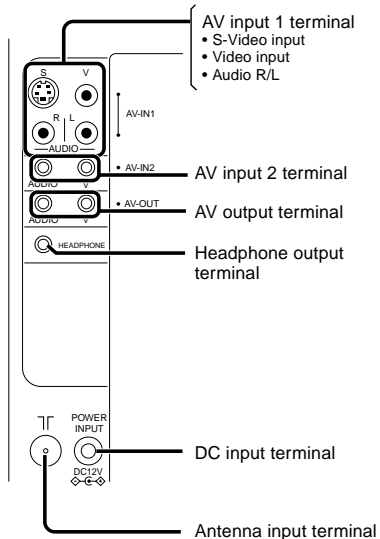
■ The **MUTE**, **DISPLAY**, **MENU**, **Volume (+)/(-)**, **CH (▲)/(▼)**, and **TV/VIDEO** buttons provide the same functions as the buttons on the remote control.  
(The **MENU** button has a slightly different function from the remote control button.)

## Main unit (rear view)

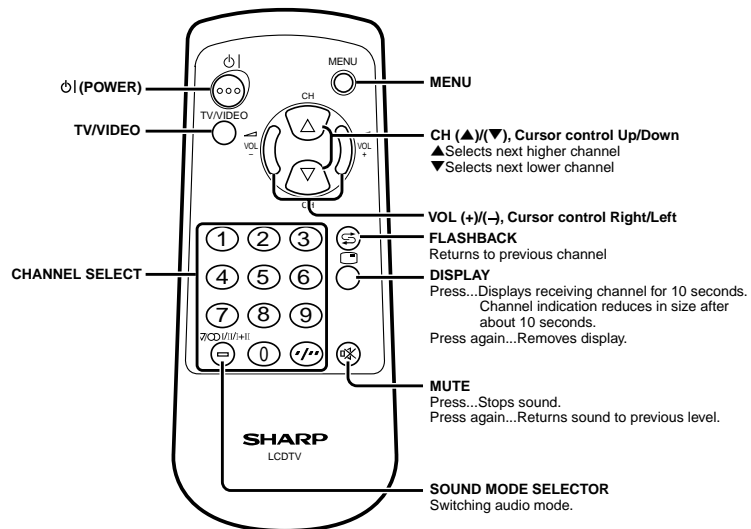


Adjust the set stand to an angle so that the screen is easily visible. The set stand can be opened up to 80°.

## Rear terminal section

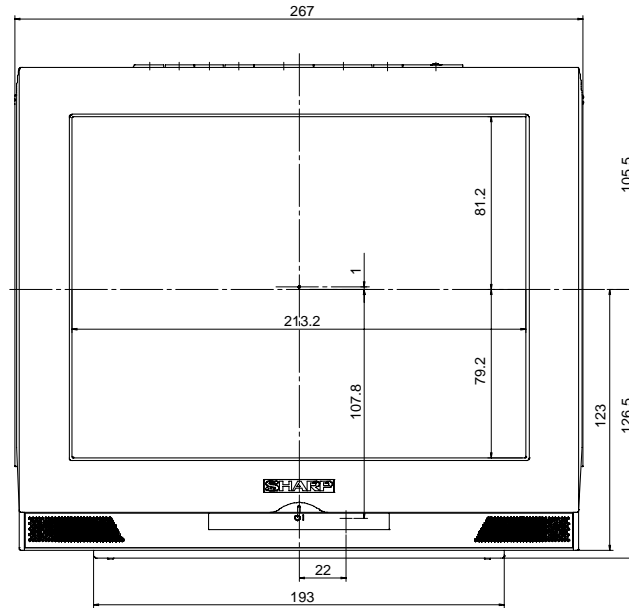


## Remote control

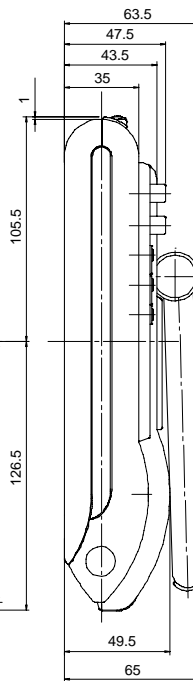


# Dimensions

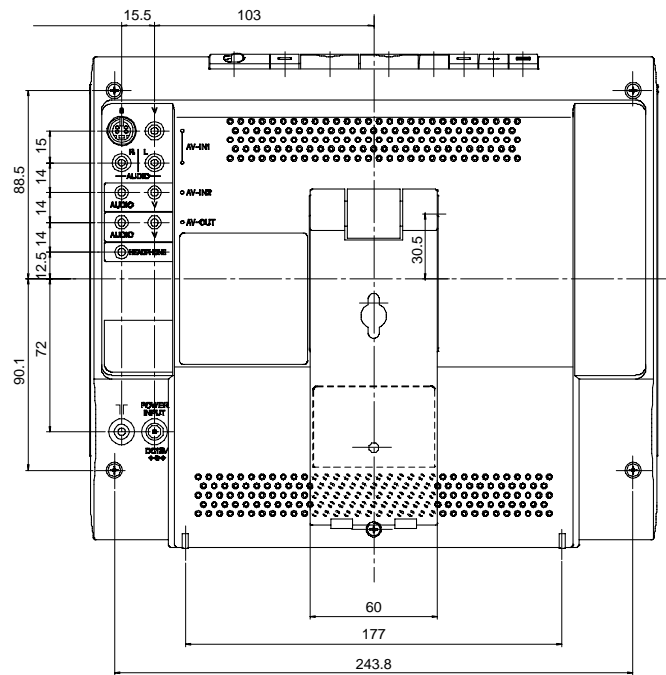
Front View



Side View



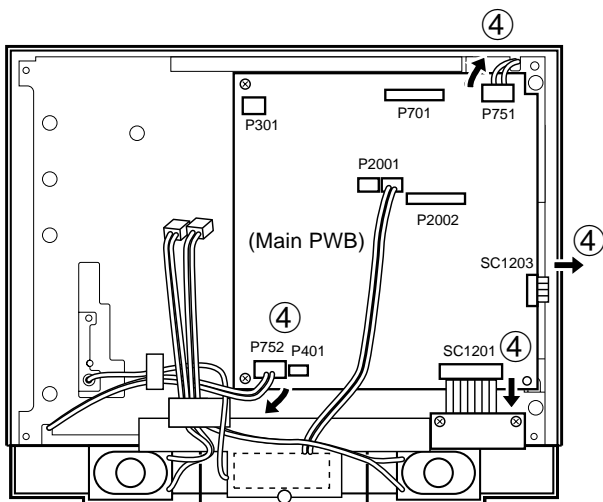
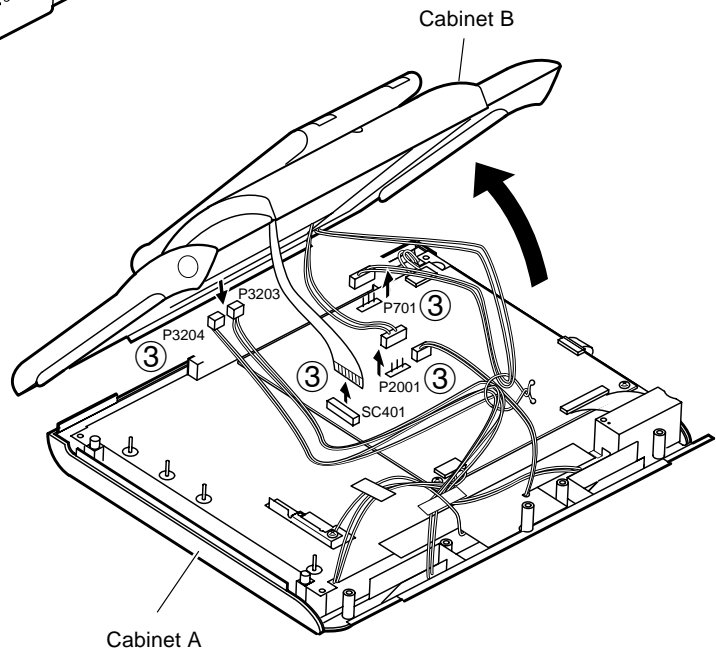
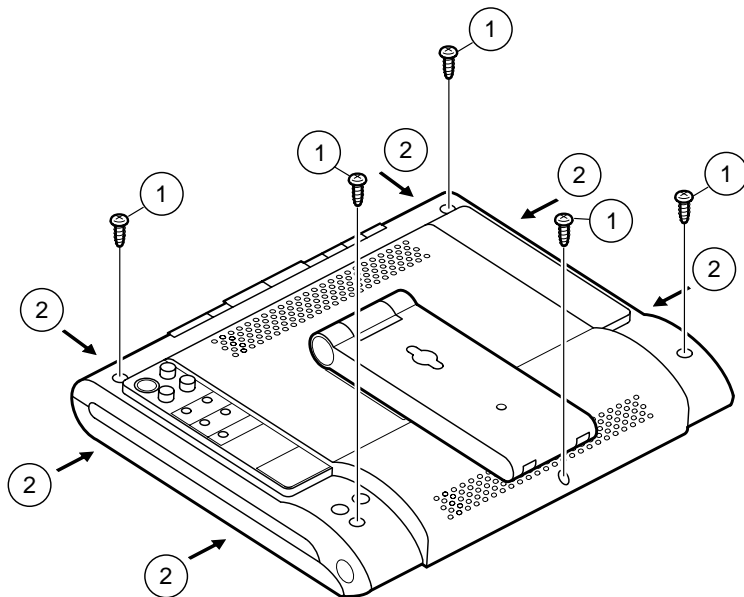
Rear View



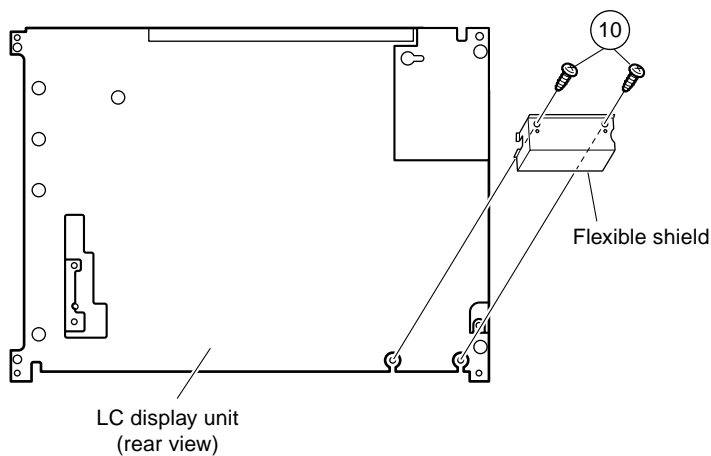
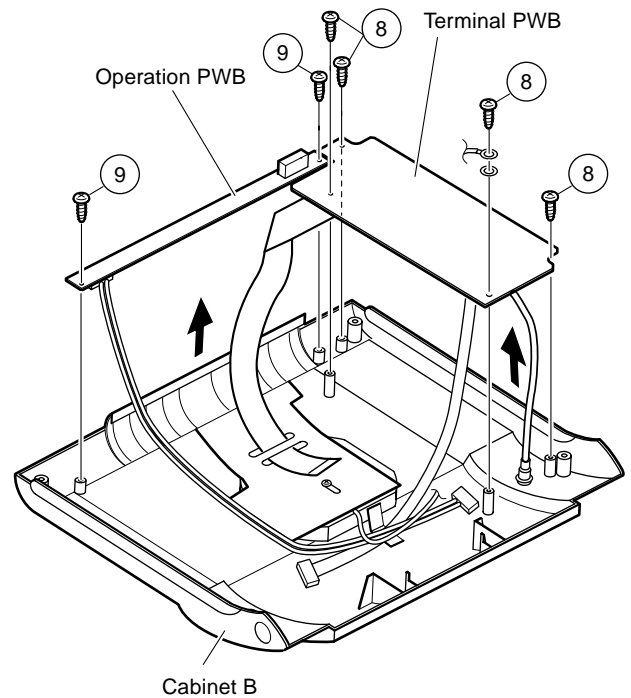
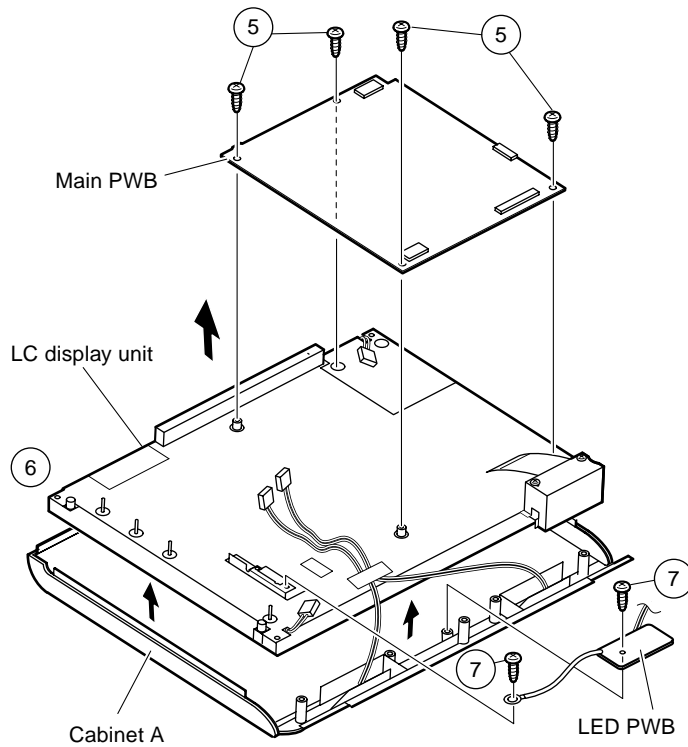
(Units: mm)

# DISASSEMBLY OF THE SET

1. Remove the five lock screws (1) off the cabinet B.
2. Push on the six hooks (2) of the cabinet B and open it slightly.
3. Disconnect all the connectors (3) from the terminal and operation PWBs. Detach the cabinet B.
4. Disconnect all the connectors (4) from the main PWB.

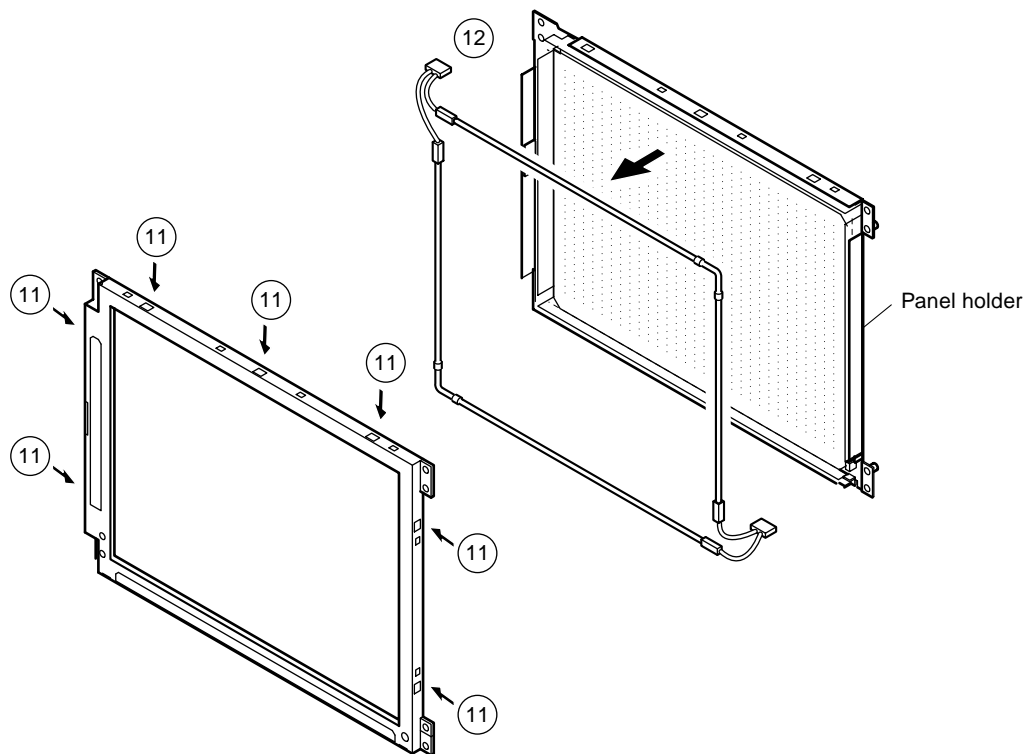


5. Remove the four lock screws (5) off the main PWB.
6. Peel off the one piece of tape (6) and detach the LC display unit.
7. Remove the two lock screws (7) off the remote control PWB.
8. Remove the four lock screws (8) off the terminal PWB.
9. Remove the two lock screws (9) off the operation PWB.
10. Remove the two lock screws (10) off the flexible shield.



## LC-10A3E

11. Undo the seven hooks (11) to release the unit frame.
12. Detach the fluorescent lamp (12).





# ADJUSTING PROCEDURE OF EACH SECTION

The best adjustment is made before shipping. If any position deviation is found or after part replace is performed, adjust as follows.

## 1. Preparation for Adjustments

(1) Use the exclusive-use AC adapter or stable DC power supply.

AC adapter: UADP-0225CEPZ

DC power supply:  $12 \pm 0.5V$

## 2. Special mode setting procedure

(1) Adjustment mode

[Procedure]

- Short-circuit TP2001 to GND, and turn on the power.
- Or short-circuit TP2002 to GND, and turn on the power.
- Or holding down the [TV/VIDEO] key and [MENU] key, turn on the main power, and simultaneously press the (inspection process) [CH ▼] key and [VOL-] key to change the mode to the adjustment mode.
- Each adjustment item is chosen with the [MENU] key, and adjusted with the [VOL] key.

[Description]

The manual adjustment or adjustment through communication with the automatic machine is performed.

(2) Inspection mode

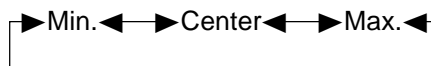
[Procedure]

Holding down the [TV/VIDEO] key and [MENU] key, turn on the power.

[MENU] key is pushed and made inspection mode.

[Description]

- In the ordinary menu select with the [CH] key, and decide with the [VOL] key. Then select "PICTURE", "TINT (only NTSC)", "COLOUR", "BLACK LEVEL", "SHARPNESS", "RED-BLUE", "GREEN" and "COLOUR SYSTEM" with the [CH] key, and decide with the [VOL] key. After that, adjust values with the [VOL] key.
- VOLUME, PICTURE, TINT (only NTSC), COLOUR, BLACK LEVEL, SHARPNESS, RED-BLUE, GREEN change as follows.



(3) Shipping setting mode

[Procedure]

Holding down the [TV/VIDEO] key and [MENU] key, turn on the main power, and simultaneously press the (inspection process) [CH ▲] key and [VOL+] key to change the mode to the shipping setting mode.

[Description]

User adjustment and other values are taken as defaults.

If TV is indicated as SETTING COMPLETE, setting has been completed.

## 3. Cancel of special mode

Turn off the main unit power.

## 4. Initialization

**Here is the procedure of initializing the EEPROM and making model number and size settings.**

- 4-1. Get Pins (81) and (82) of the IC2001 (microprocessor) grounded and turn on the power.
- 4-2. Select a model number (A1, A2H, A2U, A3E). For Model LC-10A3E select A3E.
- 4-3. Select a size in inches (10, 12, 15, 20). For Model LC-10A3E select 10.
- 4-4. Get Pins (81) and (82) of the IC2001 (microprocessor) back to normal.

## 5. Reset of lamp error

If the power LED remains red and the power is not turned on, or if repair has been performed, enter the adjustment mode to reset the lamp error.

For the resetting procedure, refer to " No power" in the "Trouble shooting Table" section.

## 6. Adjustments

### 6-1. +B adjustment

Vary the "+B-ADJ" setting on Page 1 of the adjustment process so that the voltage at pin 49 of SC401 be 5.00  $\pm$ 0.02 V.

**Note :** Adjust precisely to 5.0 V because this level will be used as supply voltage reference.

### 6-2. Counter-bias adjustment

Vary the "COM BIAS" setting on Page 2 of the adjustment process so that the contrast be sharpest (black looks most sinking). The adjustment guideline is around 114 for Model LC-10A3E.

### 6-3. TAMP adjustment

- 1) Receive the colour bar signal.
- 2) See if the "Y" reading on page 2 of the adjustment process is somewhere between BO and BA. If not, make the "PAL TAMP" adjustment to get the "Y" reading in the range of BO thru BA.

(Adjustment process menu on-screen display on page 2)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
0		2																									
1		▶	C	O	M		B	I	A	S														1	1	7	
2			P	A	L		T	A	M	P															2	7	
3			T	V		H	-	P	E	A	K	I	N	G												3	
4			R	C	U	T	O	F	F																	0	
5			G	C	U	T	O	F	F																	0	
6			B	C	U	T	O	F	F																-	1	
7			T	A	M	P		H																	B	A	
8			T	A	M	P		L																	B	0	
9			G	3			B	3			R	3				0	0			0	0				0	0	
10			G	1			B	4			Y					0	0			0	0				B	5	
11																											
12																											
13																											

Y Data (75% white )

### 6-4. White balance adjustment

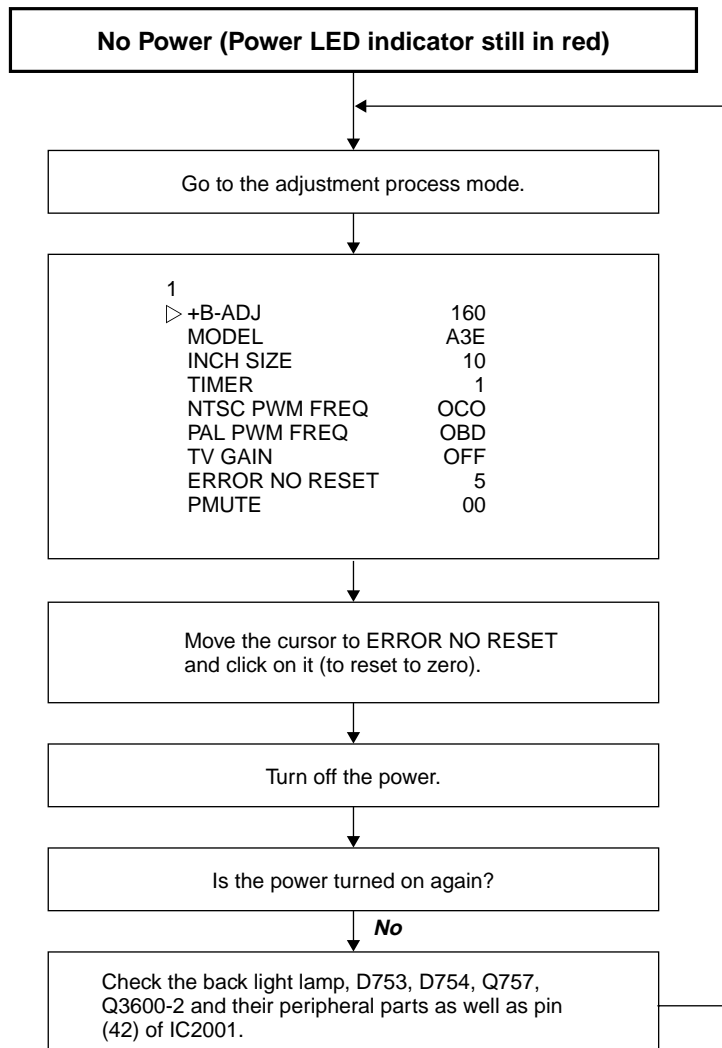
Vary the "RCUTOFF" and "BCUTOFF" settings to achieve optimum white balance.

**Note :** For the "RCUTOFF" and "BCUTOFF" settings, keep the readings in the range of -10 to +10. If out of this range, the user-adjustable range is reduced.

## 7. OSD Menu (for pages 1 and 2)

Page	Item	MIN	MAX	Initial Setting	Remarks
1	+B-ADJ	0	255	160	Refer to 5-1
	MODEL			A3E	Refer to 4-2
	INCH SIZE			10	Refer to 4-3
	TIMER			1	
	SYSTEM			PAL	
	NTSC PWM FREQ	000	FFF	0C0	
	PAL PWM FREQ	000	FFF	0BD	
	TV GAIN			OFF	
	ERROR NO RESET			0	
	PMUTE			00	
2	COMBIAS	0	255	117	Refer to 5-2
	PAL TAMP	0	63	27	
	TV H-PEAKING	0	63	27	
	R CUT OFF	0	7	0	Refer to 5-3 (around -5)
	G CUT OFF	-15	+15	0	
	B CUT OFF	-15	+15	-1	Refer to 5-3
	TAMP H	00	FF	BA	
	TAMP L	00	FF	B0	
	G3	-15	+15	0	
	B3	00	FF	00	
	R3	00	FF	00	
	G1	00	FF	00	
	B4	00	FF	00	
	Y	00	FF	00	

# TROUBLE SHOOTING TABLE



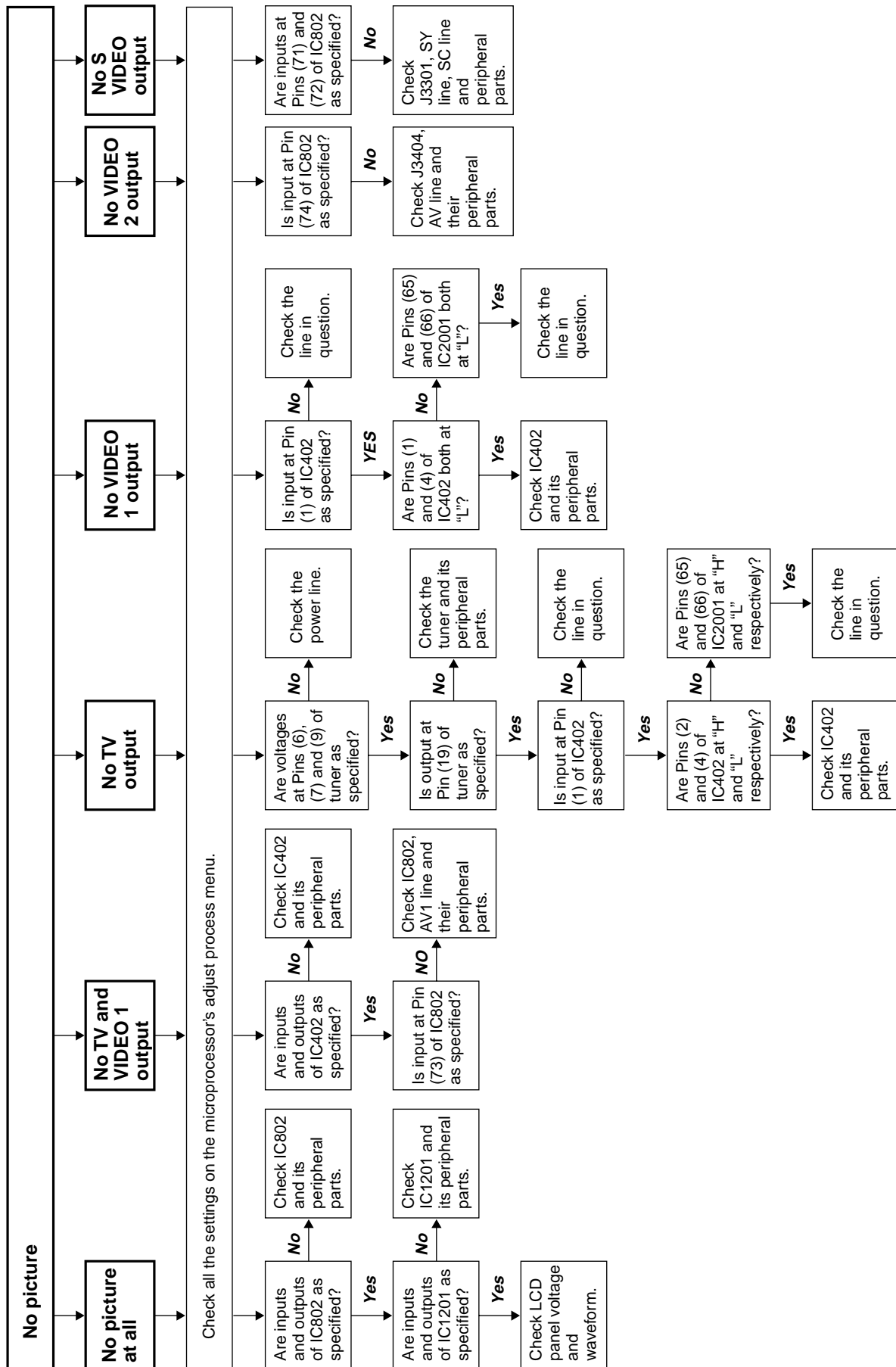
**Note:**

This model is equipped with the lamp error detection function that detects the current flowing into the fluorescent lamp and protects the backlight lamp drive circuit.

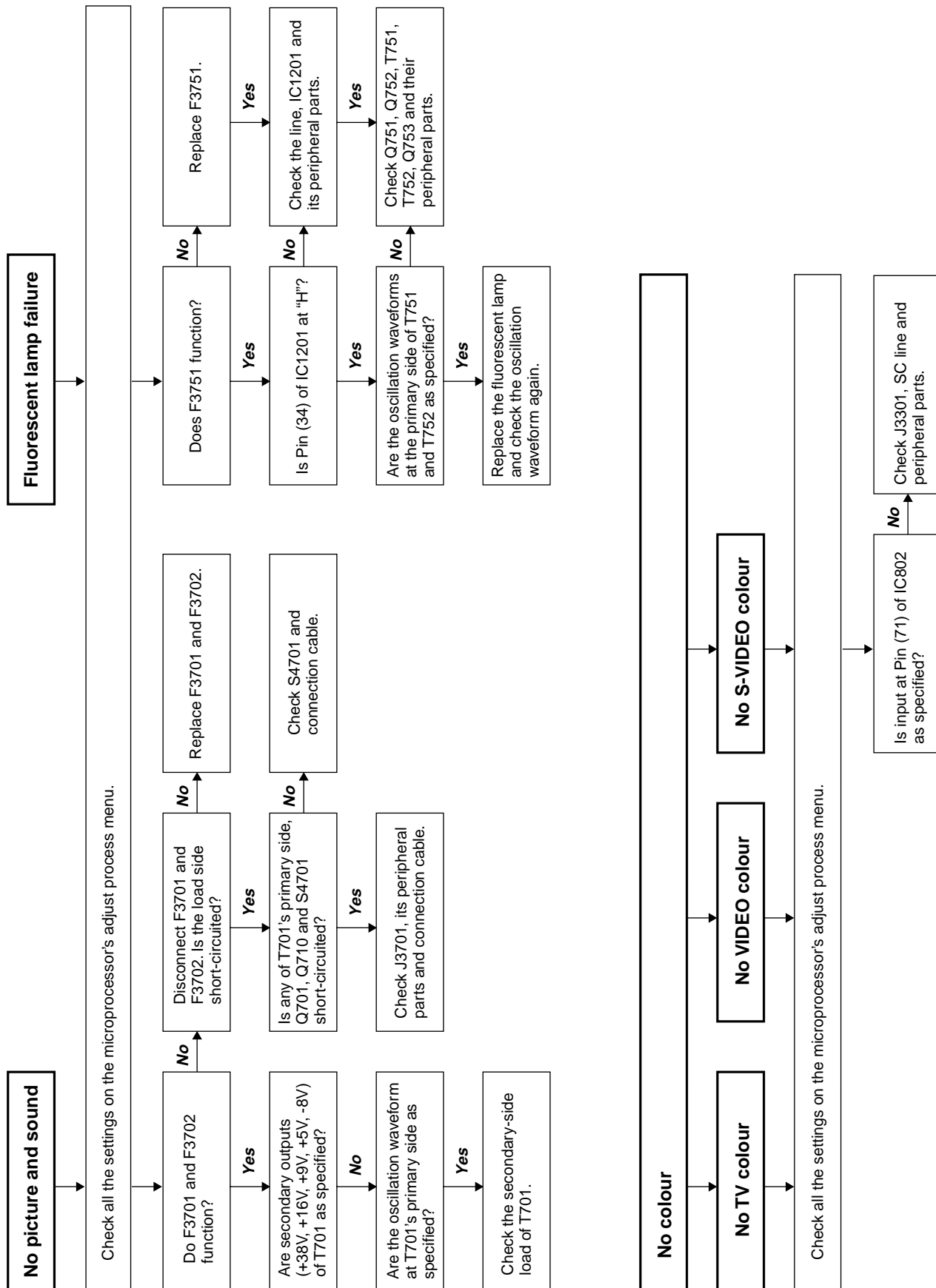
If a lamp error is detected, the microprocessor interrupts the unit and the ERROR NO RESET setting will go up.

When the ERROR NO RESET setting has reached "5", the microprocessor turns and keeps off the unit's power. To resume the power, take the above procedure to clear the ERROR NO RESET setting.

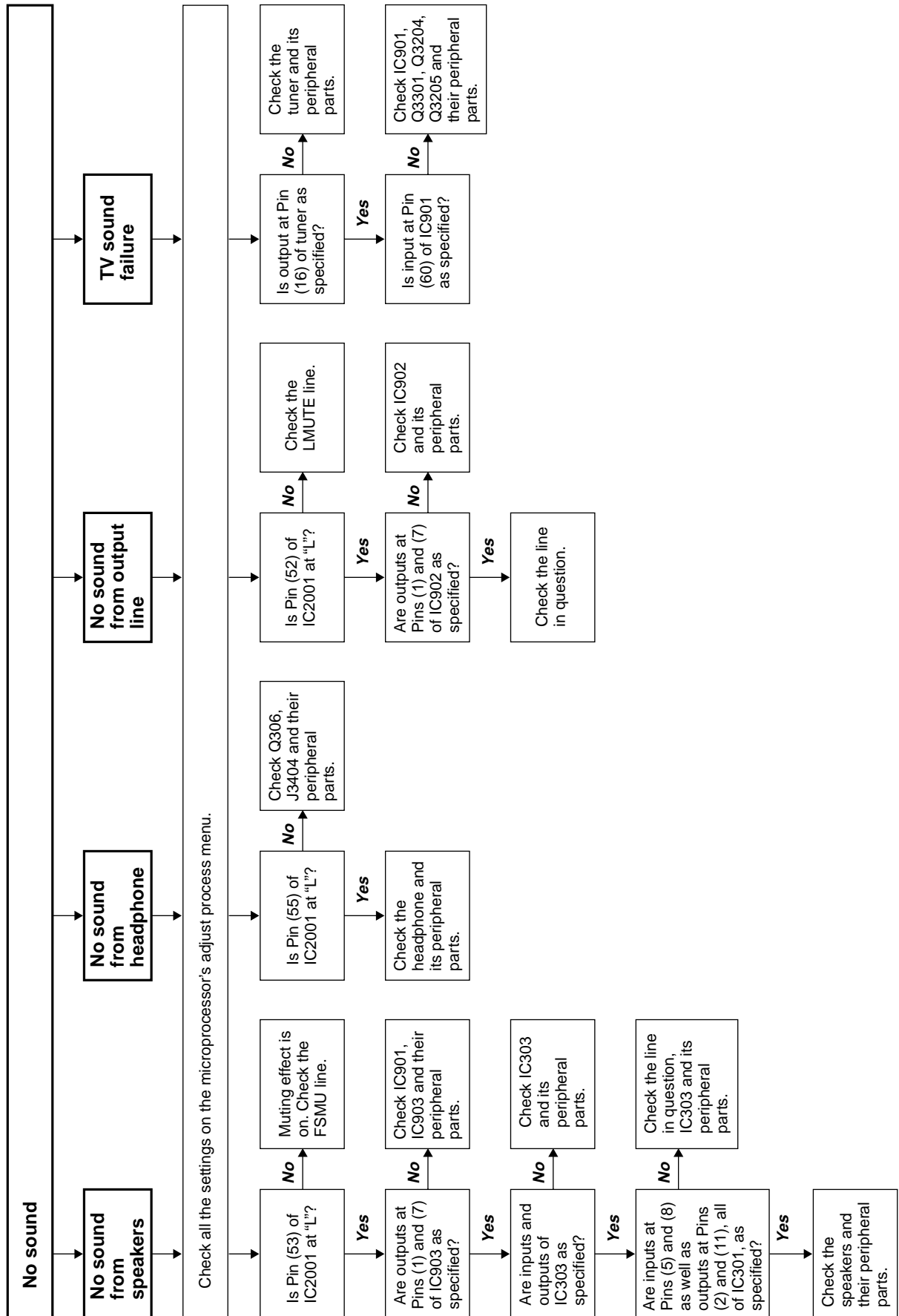
## TROUBLE SHOOTING TABLE



# TROUBLE SHOOTING TABLE (Continued)

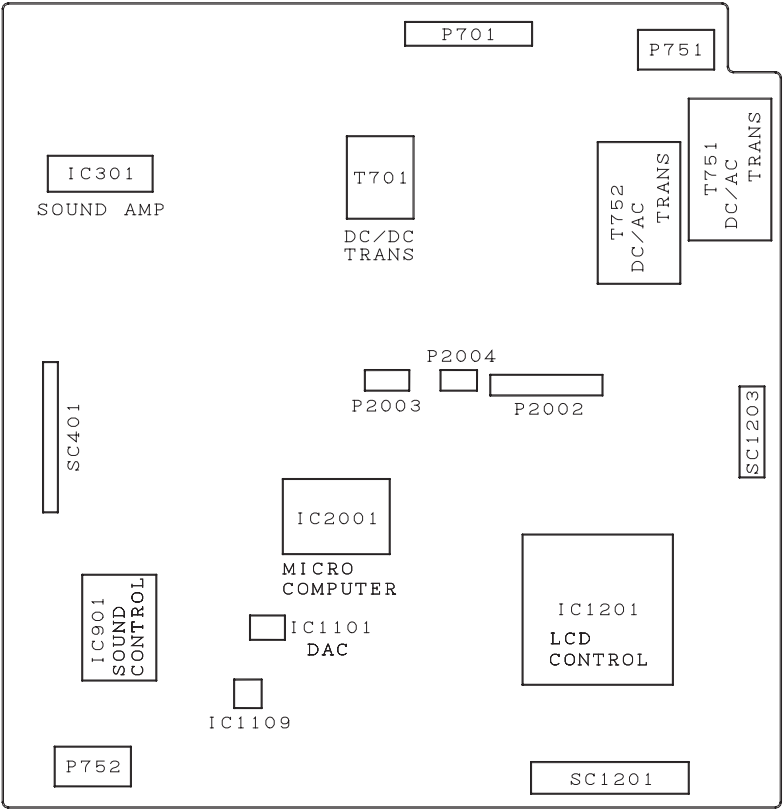


## TROUBLE SHOOTING TABLE (Continued)

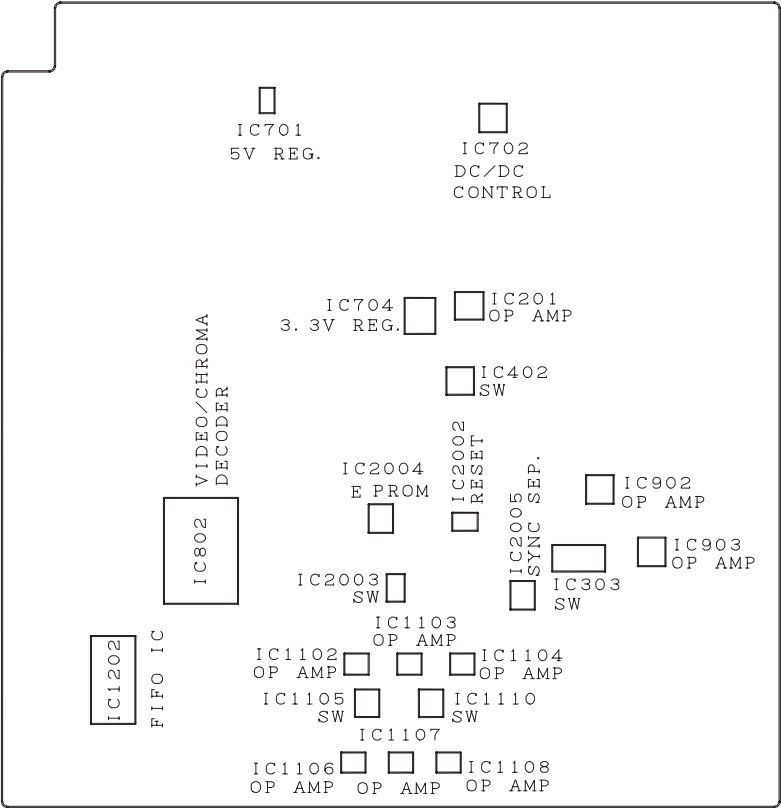


CHASSIS LAYOUT

MAIN Unit (Side-A)



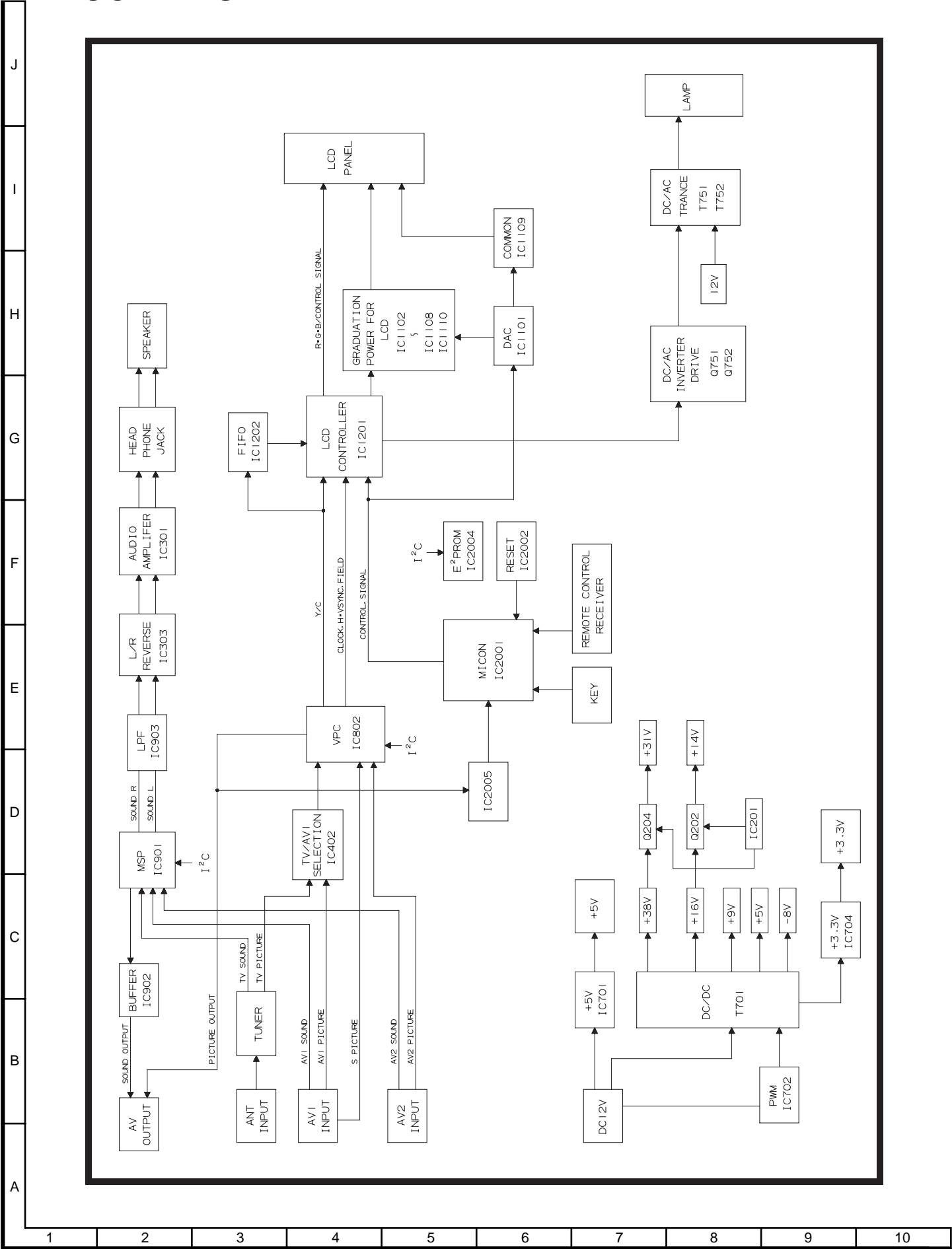
MAIN Unit (Side-B)







BLOCK DIAGRAM



## DESCRIPTION OF SCHEMATIC DIAGRAM

### VOLTAGE MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour bar signal of colour bar generator for service is input to get the normal screen. When the audio is minimized, the voltage value is measured with the 20 k $\Omega$ /V tester.

### WAVEFORM MEASUREMENT CONDITION:

1. When the exclusive-use AC adapter is used, the colour density, lightness and colour hue are set to the center position, and the signal of colour bar generator for service is observed to get waveform.  
The wave form test point is indicated with the mark (Q) in the wiring diagram.

### INDICATION OF RESISTOR & CAPACITOR:

#### RESISTOR

1. The unit of resistance " $\Omega$ " is omitted.  
(K=k $\Omega$ =1000  $\Omega$ , M=M $\Omega$ ).
2. All resistors are  $\pm 5\%$ , unless otherwise noted.  
(J=  $\pm 5\%$ , F=  $\pm 1\%$ , D=  $\pm 0.5\%$ )
3. All resistors are Carbon type, unless otherwise noted.  
 (C): Solid                      (W): Cement  
 (S): Oxide Film                (T): Special  
 (N): Metal Coating

#### CAPACITOR

1. All capacitors are mF, unless otherwise noted.  
(P=pF=mmF).
2. All capacitors are Ceramic type, unless otherwise noted.  
 (ML): Mylar                    (TA): Tantalum  
 (PF): Polypro Film          (ST): Styrol

#### CAUTION:

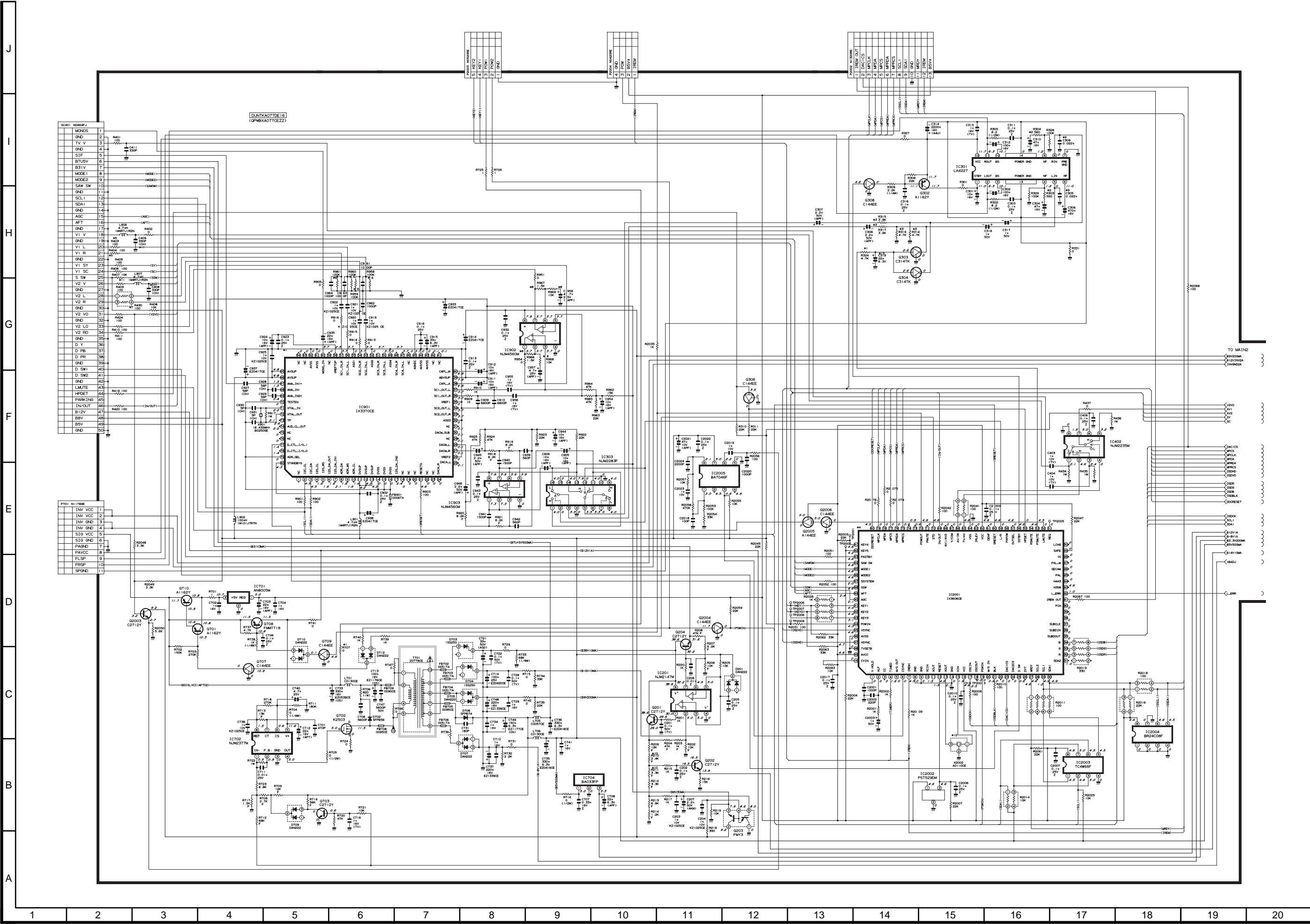
This circuit diagram is original one, therefore there may be a slight difference from yours.

#### IMPORTANT SAFETY NOTICE:

**PARTS MARKED WITH "⚠" ( ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.**

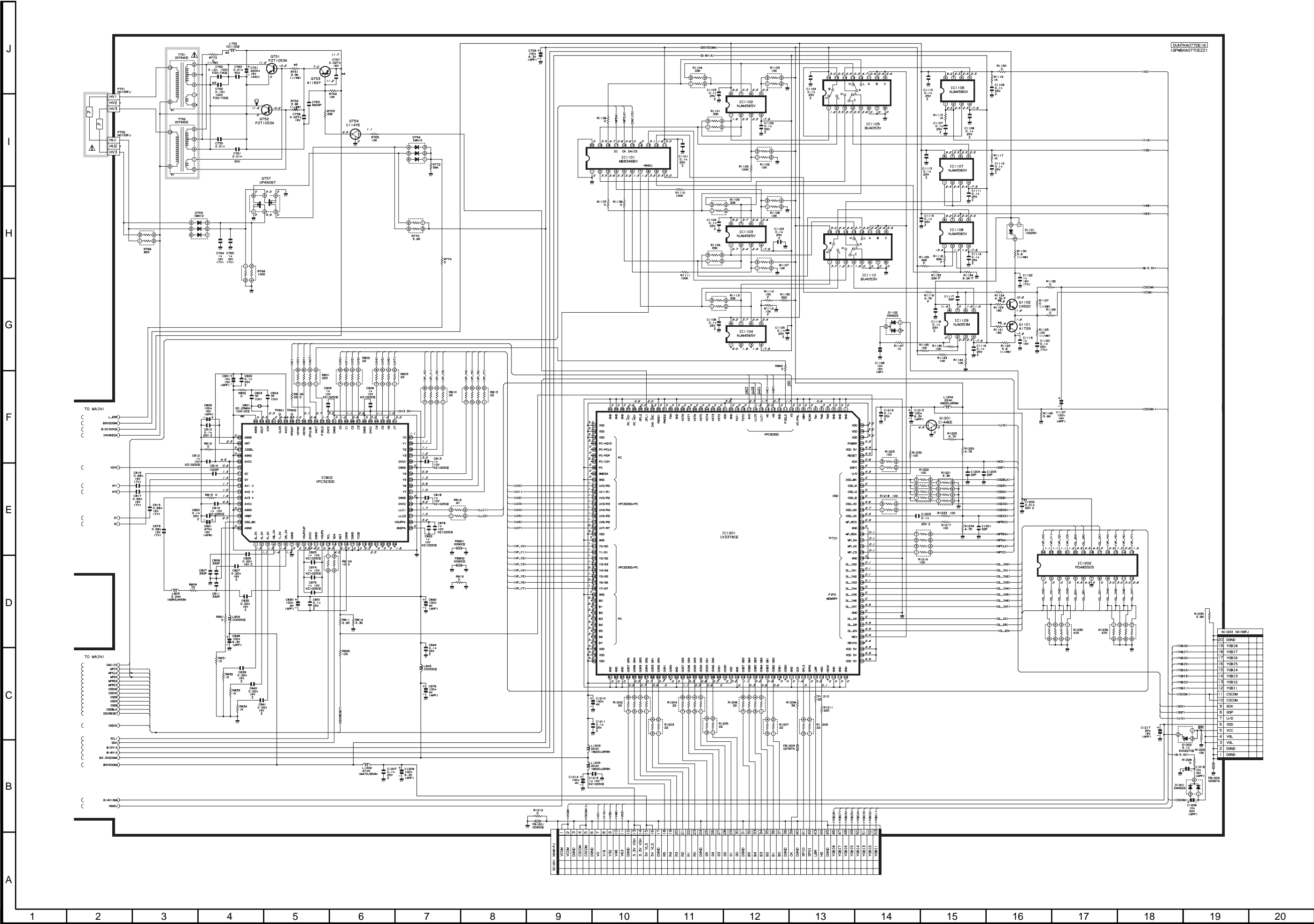
MAIN Unit -1/2

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



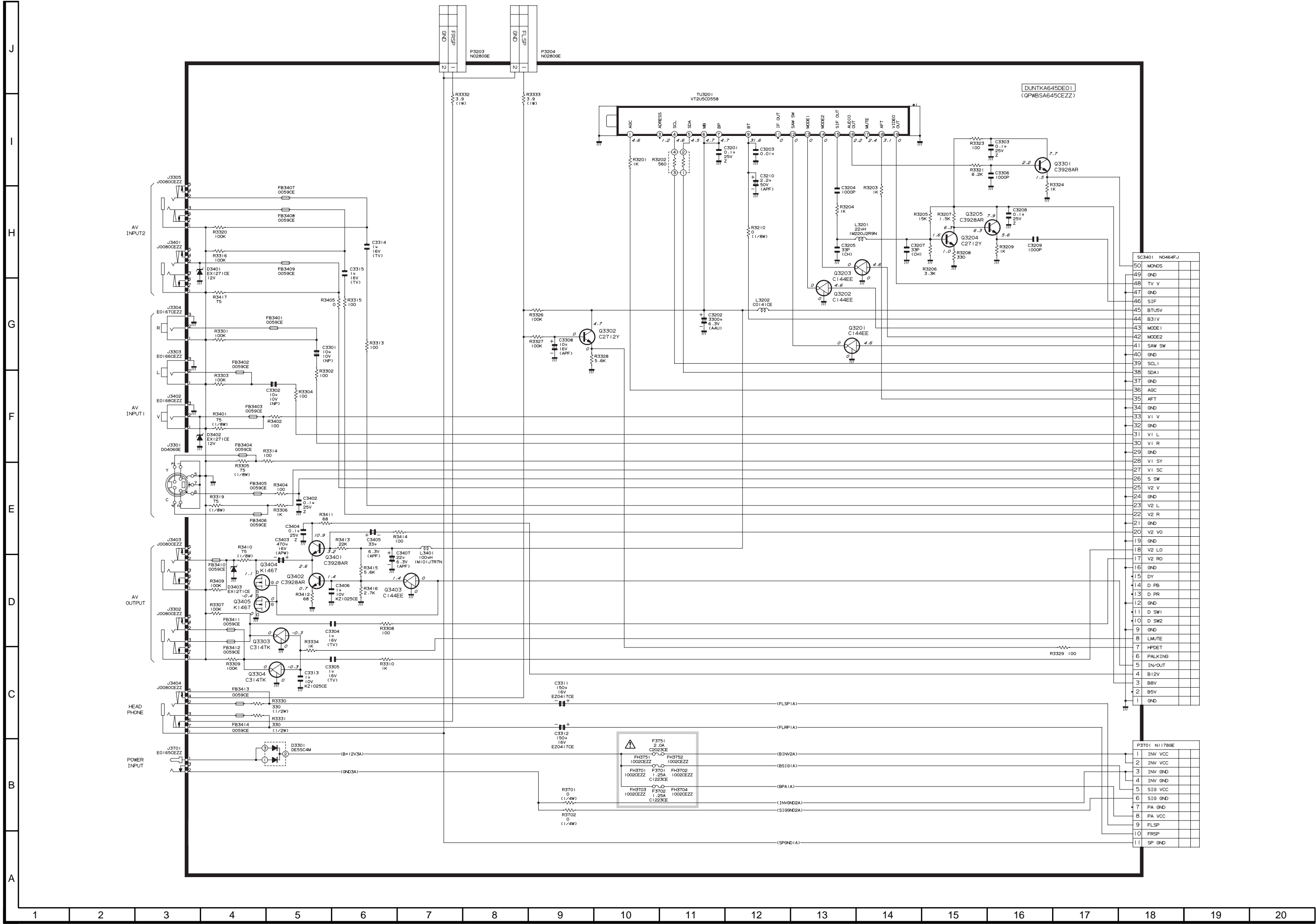
MAIN Unit -2/2

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS



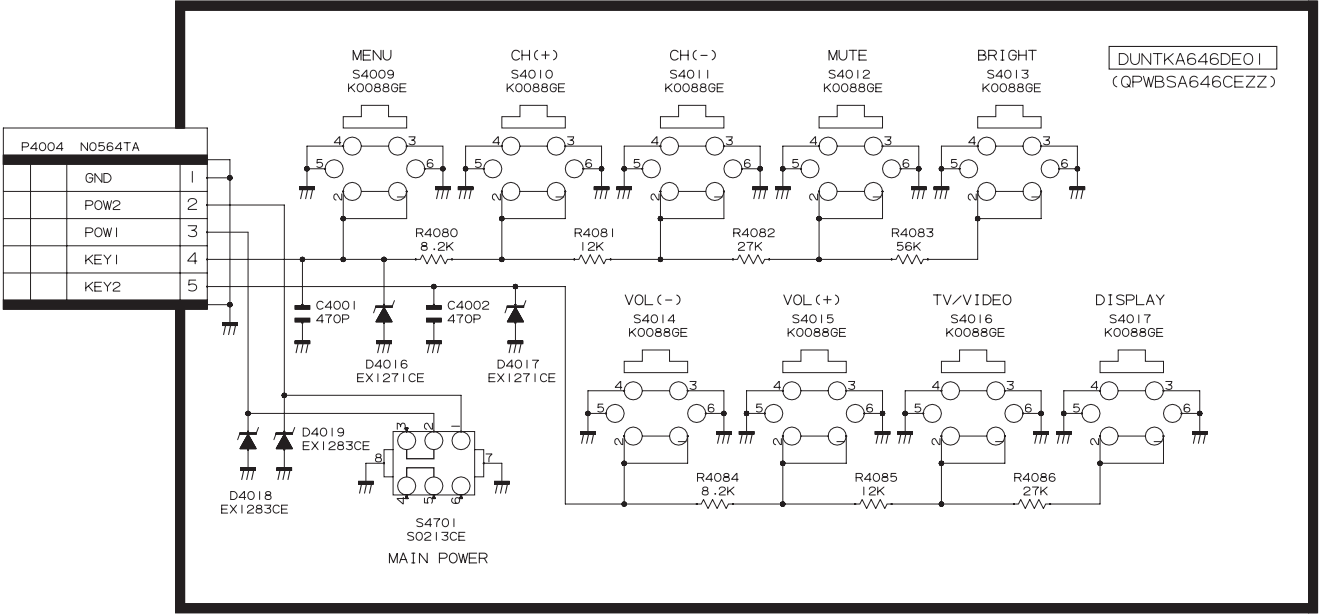
■ TERMINAL Unit

⚠ AND SHADED COMPONENTS=SAFETY RELATED PARTS

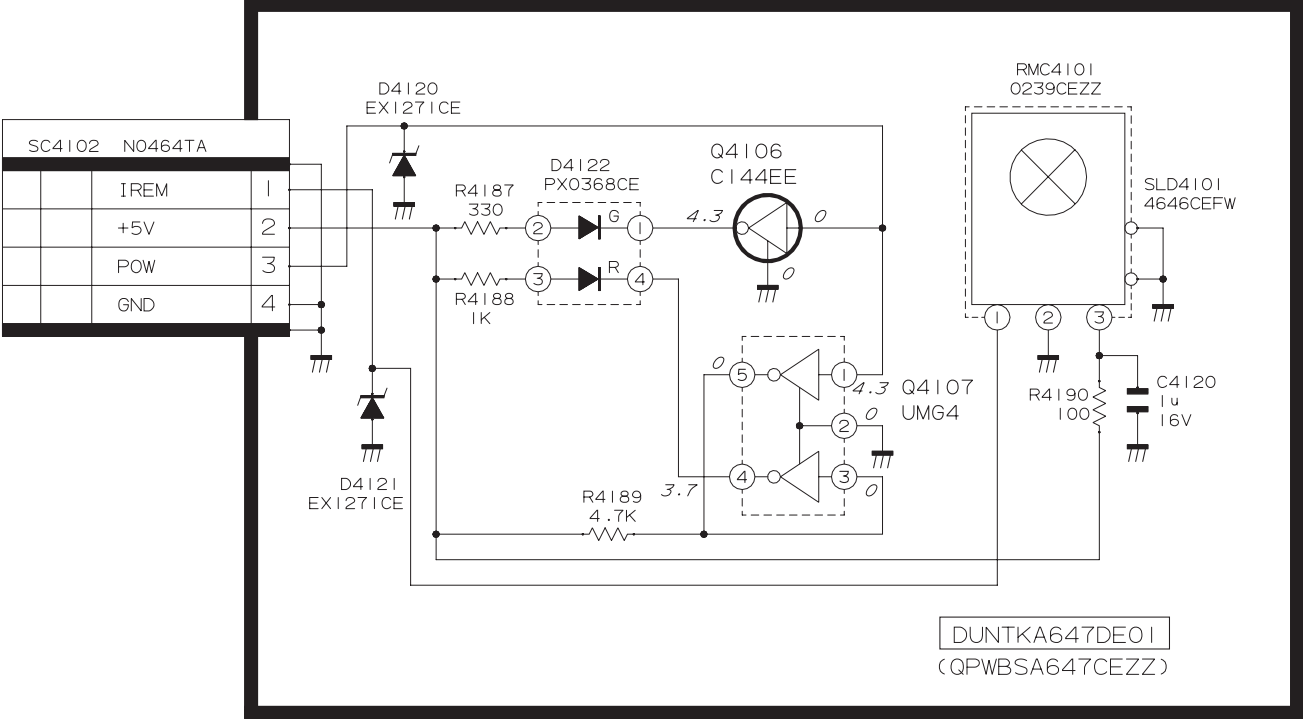


■ OPERATION and LED Unit

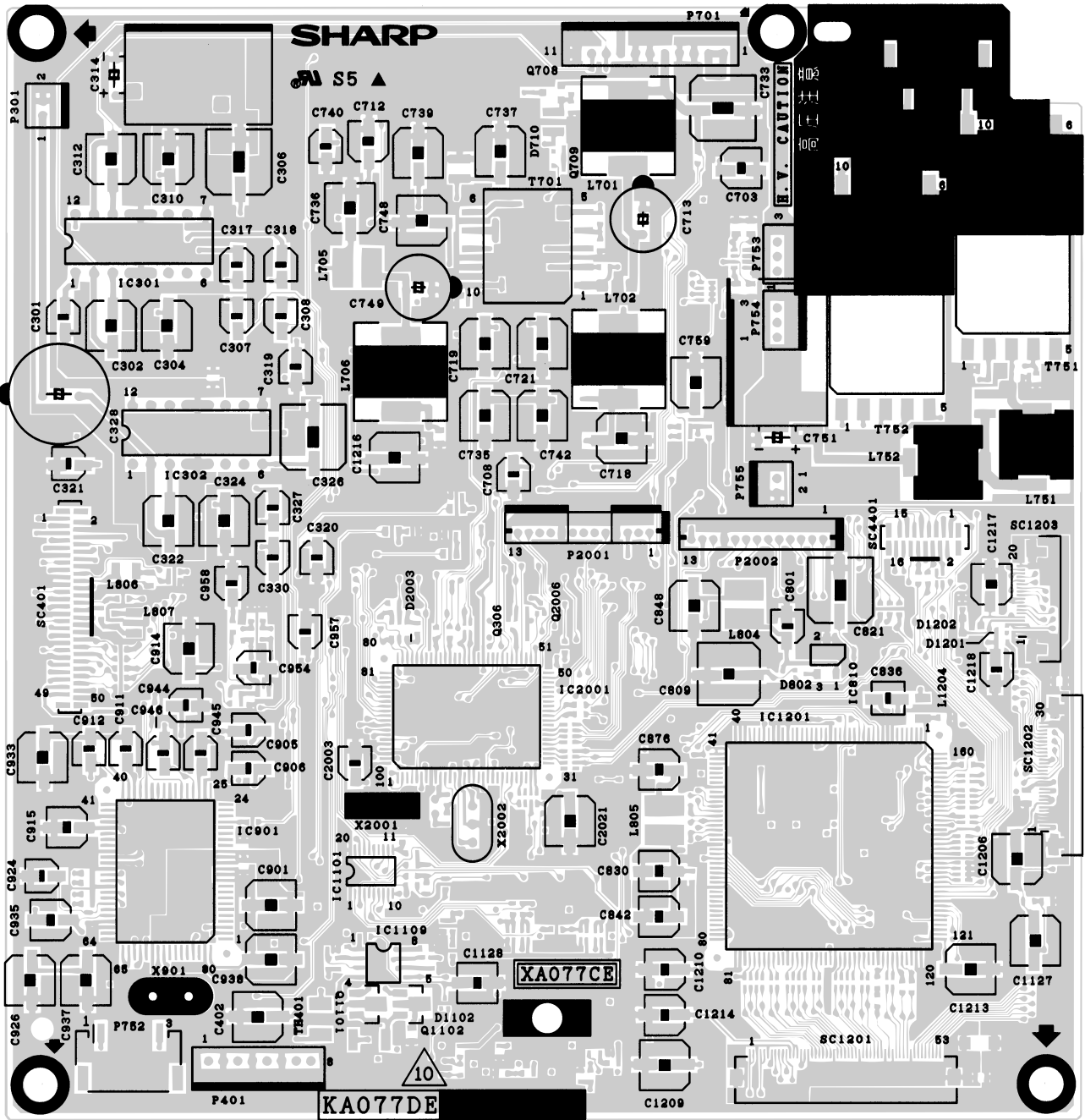
OPERATION UNIT



LED UNIT

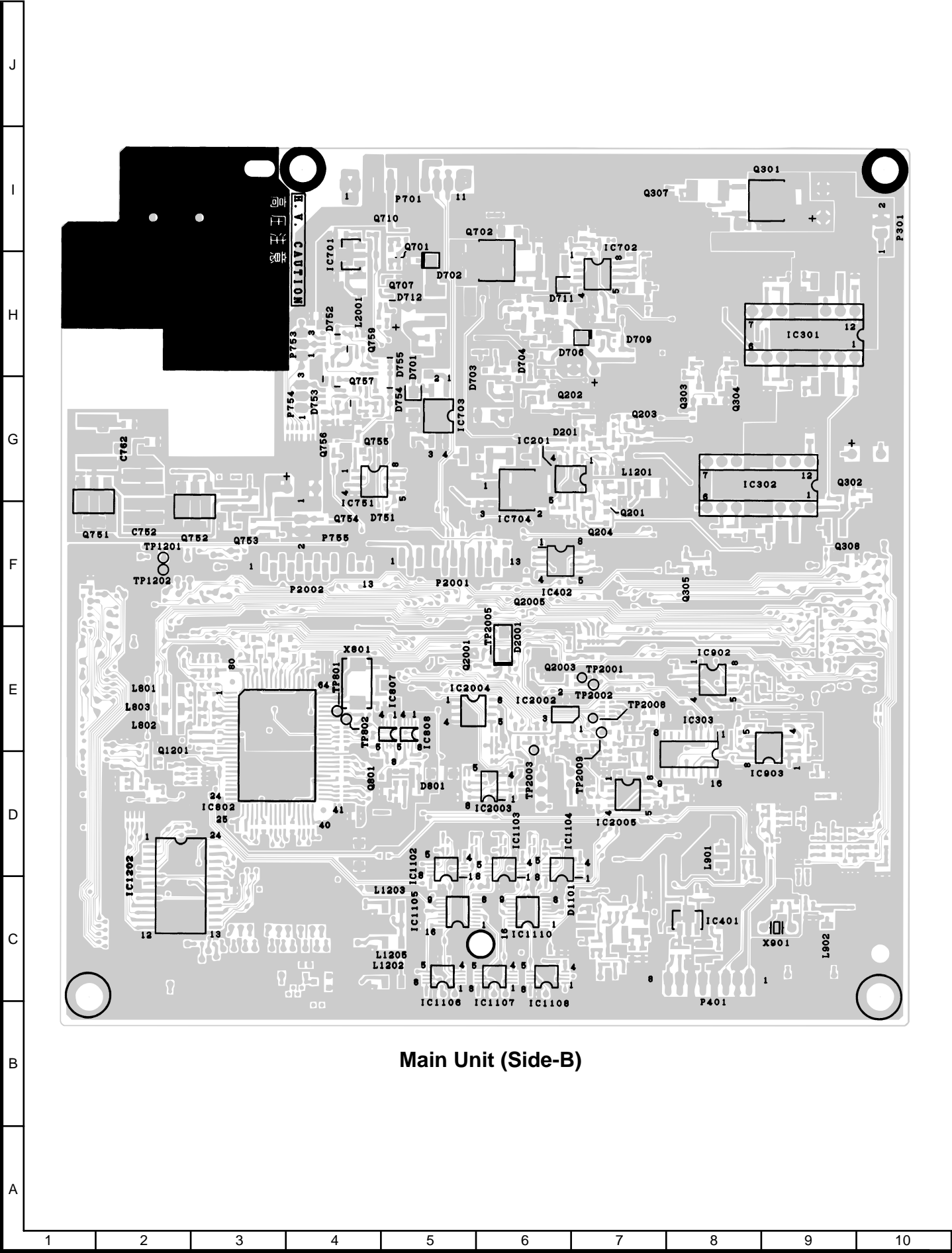


## PRINTED WIRING BOARD ASSEMBLIES



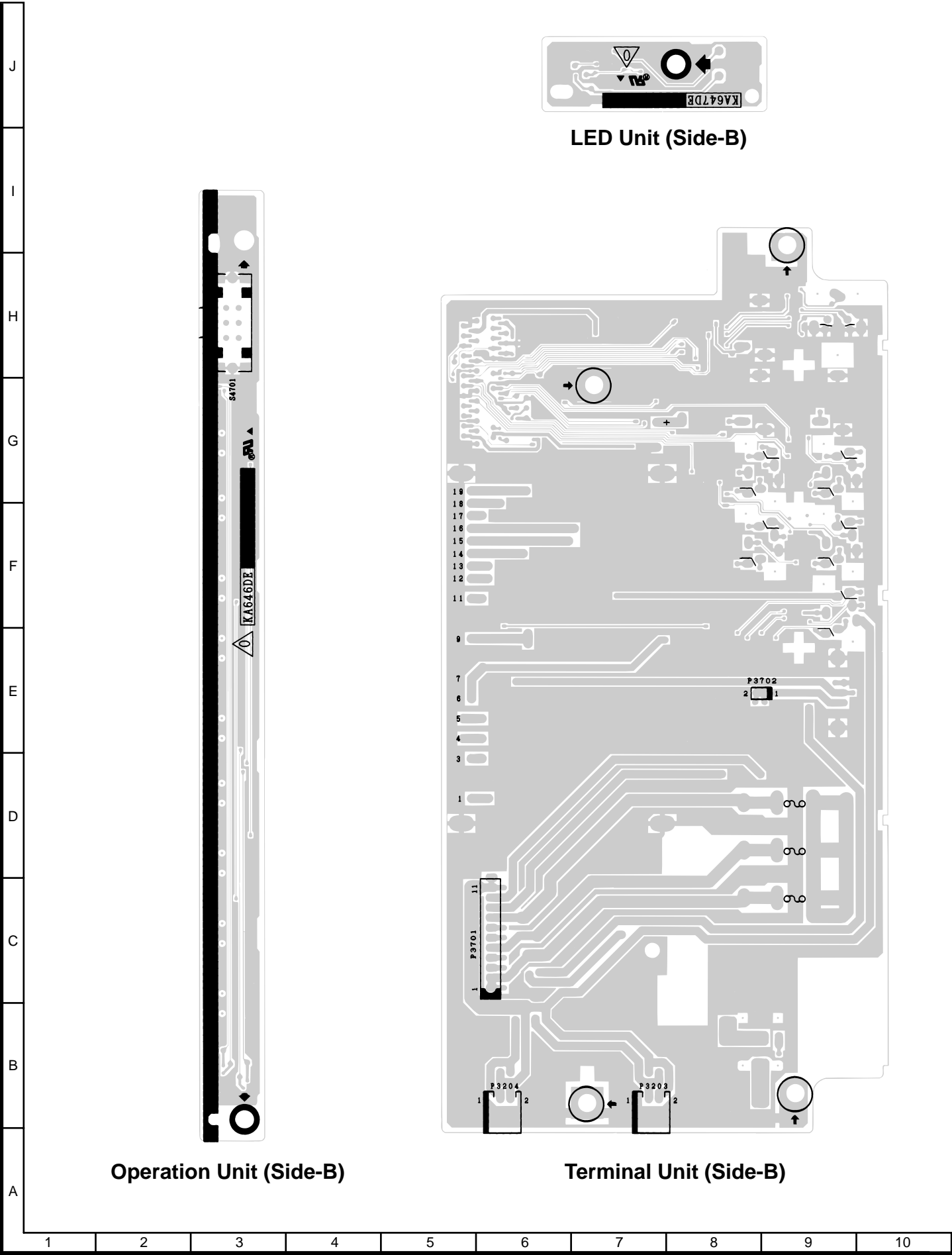
Main Unit (Side-A)






Main Unit (Side-B)





# PARTS LIST

## PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by “” and shaded area in the Replacement Parts Lists and schematic diagrams.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

### “HOW TO ORDER REPLACEMENT PARTS”

To have your order filled promptly and correctly, please furnish the following informations.

- |                 |                |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO.    |
| 3. PART NO.     | 4. DESCRIPTION |
| 5. CODE         |                |

#### MARK★: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

#### LCD MODULE UNIT

RLCDT0067CEZZ	J		LCD Module Unit	
---------------	---	--	-----------------	--

#### LAMP UNIT

	KLMP-0116CEZZ	J	Lamp	AZ
---	---------------	---	------	----

#### PRINTED WIRING BOARD ASSEMBLIES (NOT REPLACEMENT ITEM)

DUNTKA077DE16	—	MAIN Unit
DUNTKA645DE01	—	TERMINAL Unit
DUNTKA646DE01	—	OPERATION Unit
DUNTKA647DE01	—	LED Unit

Ref. No.	Part No.	★	Description	Code
----------	----------	---	-------------	------

#### DUNTKA077DE16 MAIN UNIT

#### INTEGRATED CIRCUITS

IC201	VHiNJM2147M-1	J	NJM2147M	AF
IC301	VHiLA4227/-1	J	LA4227	AG
IC303	VHiNJM2283F-1	J	NJM2283F	AF
IC402	VHiNJM2235M-1	J	NJM2235M	AE
IC701	VHiAN8005M/-1	J	AN8005M	AD
IC702	VHiNJM2377M-1	J	NJM2377M	AK
IC704	VHiBA033FP/-1	J	BA033FP	AG
IC802	VHiVPC3230D-1	J	VPC3230D	BG
IC901	RH-iX3371CEZZ	J	IX3371CE	BD
IC902	VHiNJM4560M-1	J	NJM4560M	AG
IC903	VHiNJM4560M-1	J	NJM4560M	AG
IC1101	VHiMB8346BV-1	J	MB8346BV	AN
IC1102	VHiNJM4565V-1	J	NJM4565V	AF
IC1103	VHiNJM4565V-1	J	NJM4565V	AF
IC1104	VHiNJM4565V-1	J	NJM4565V	AF
IC1105	VHiBU4053V/-1	J	BU4053V	AE
IC1106	VHiNJM4580V-1	J	NJM4580V	AE
IC1107	VHiNJM4580V-1	J	NJM4580V	AE
IC1108	VHiNJM4580V-1	J	NJM4580V	AE
IC1109	VHiNJM353M/-1	J	NJM353M	AG
IC1110	VHiBU4053V/-1	J	BU4053V	AE
IC1201	RH-iX3378CEZZ	J	IX3378CE	AY
IC1202	VHiPD485505-2	J	PD485505	AY
IC2001	RH-iX3606CEZZ	J	IX3606CE	
IC2002	VHiPST529DM-1	J	PST529DM	AE
IC2003	VHiTC4W66F/-1	J	TC4W66F	AE
IC2004	VHiBR24C08F-1	J	BR24C08F	AF
IC2005	VHiBA7046F/-1	J	BA7046F	AF

#### TRANSISTORS

Q201	VS2SC2712Y/-1	J	2SC2712Y	AB
Q202	VS2SC2712Y/-1	J	2SC2712Y	AB
Q203	VSFMY3////-1	J	FMY3	AB
Q204	VS2SC2712Y/-1	J	2SC2712Y	AB
Q302	VS2SA1162Y/-1	J	2SA1162Y	AB
Q303	VSDTC314TK/-1	J	DTC314TK	AC
Q304	VSDTC314TK/-1	J	DTC314TK	AC
Q306	VSDTC144EE/-1	J	DTC144EE	AA
Q308	VSDTC144EE/-1	J	DTC144EE	AA
Q701	VS2SA1162Y/-1	J	2SA1162Y	AB
Q702	VS2SK2503/-1	J	2SK2503	AE
Q703	VS2SC2712Y/-1	J	2SC2712Y	AB
Q707	VSDTC144EE/-1	J	DTC144EE	AA
Q708	VSFMMT718/-1	J	FMMT718	AE
Q709	VSDTC144EE/-1	J	DTC144EE	AA
Q710	VS2SA1162Y/-1	J	2SA1162Y	AB
Q751	VSFZT1053A/-1	J	FZT1053A	AG
Q752	VSFZT1053A/-1	J	FZT1053A	AG
Q753	VS2SA1162Y/-1	J	2SA1162Y	AB
Q754	VSDTC114YE/-1	J	DTC114YE	AB
Q757	VSUPA606T/-1	J	UPA606T	AD
Q1101	VS2SA1729/-1	J	2SA1729	AF
Q1102	VS2SC4520/-1	J	2SC4520	AE
Q1201	VSDTC144EE/-1	J	DTC144EE	AA
Q2003	VS2SC2712Y/-1	J	2SC2712Y	AB
Q2004	VSDTC144EE/-1	J	DTC144EE	AA
Q2005	VSDTA144EE/-1	J	DTA144EE	AA
Q2006	VSDTC144EE/-1	J	DTC144EE	AA

#### DIODES

D201	VHDDAN222/-1	J	DAN222	AA
D702	VHDSFPB56//2E	J	SFPB56	AC
D703	VHD1SS250//1E	J	1SS250	AB
D704	VHD1SS250//1E	J	1SS250	AB
D705	VHDDAN222/-1	J	DAN222	AA
D706	VHDSFPB74//2E	J	SFPB74	AD
D707	VHDDAN222/-1	J	DAN222	AA
D709	VHDDAN222/-1	J	DAN222	AA
D710	VHDDAN222/-1	J	DAN222	AA
D712	VHDDAN222/-1	J	DAN222	AA
D753	VHDI MN10///-1	J	IMN10	AB

Ref. No.	Part No.	★	Description	Code
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**DUNTKA077DE16**  
**MAIN UNIT(Continued)**

D754	VHDI MN10///-1	J	IMN10	AB
D1101	VHDI SS250//1E	J	1SS250	AB
D1102	VHDDAN222//1	J	DAN222	AA
D1201	VHDDAN222//1	J	DAN222	AA
D1202	RH-EX0227CEZZ	J	Zener Diode, 5.1V	AB

**PACKAGED CIRCUITS**

X801	RCRSC0012CEZZ	J	Crystal, CRSC0012CE	AH
X901	RCRSB0250GEZZ	J	Crystal, CRSB0250GE	AG

**FILTER**

X2002	RFiLA0107CEZZ	J	Filter, FiLA0107CE	AD
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**COILS**

L701	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L705	RCiLC0057CEZZ	J	Coil, CiLC0057CE	AD
L706	RCiLC0130CEZZ	J	Coil, CiLC0130CE	AG
L752	RCiLC0110CEZZ	J	Coil, CiLC0110CE	AF
L803	VP-1M3R3JR93N	J	Peaking, 3.3μH	AB
L804	RCiLC0055CEZZ	J	Coil, CiLC0055CE	AD
L805	RCiLC0055CEZZ	J	Coil, CiLC0055CE	AD
L806	VP-1M4R7J1R2N	J	Peaking, 4.7μH	AB
L807	VP-1M4R7J1R2N	J	Peaking, 4.7μH	AB
L901	VP-1M4R7J1R2N	J	Peaking, 4.7μH	AB
L902	VP-1M101J7R7N	J	Peaking, 100μH	AC
L1202	VP-1M470J5R4N	J	Peaking, 47μH	AC
L1203	VP-1M220J2R9N	J	Peaking, 22μH	AC
L1204	VP-1M220J2R9N	J	Peaking, 22μH	AC
L1205	VP-1M220J2R9N	J	Peaking, 22μH	AC

**TRANSFORMERS**

⚠ T701	RTRNZ0778CEZZ	J	Transformer	AM
⚠ T751	RTRNZ0764CEZZ	J	Transformer	AM
⚠ T752	RTRNZ0764CEZZ	J	Transformer	AM

**CAPACITORS**

C201	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C202	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C203	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C204	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C205	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C206	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C207	VCEAKM1HW225M	J	2.2 50V Electrolytic	AB
C301	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C302	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C303	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C304	VCEAPF1CN476M	J	47 16V Electrolytic	AD
C305	VCKYCY1EB223K	J	0.022 25V Ceramic	AA
C306	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C307	VCEAPF1HN225M	J	2.2 50V Electrolytic	AD
C308	VCEAPF1HN225M	J	2.2 50V Electrolytic	AD
C309	VCKYCY1EB223K	J	0.022 25V Ceramic	AA
C310	VCEAPF1CN476M	J	47 16V Electrolytic	AD
C311	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C312	VCEAPF1CN107M	J	100 16V Electrolytic	AD
C313	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C314	VCEA4U1CN228M	J	2200 16V Electrolytic	AE
C316	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C317	VCEAPF1HN105M	J	1 50V Electrolytic	AD
C318	VCEAPF1HN105M	J	1 50V Electrolytic	AD
C319	VCEAPF0JW226M	J	22 6.3V Electrolytic	AB
C403	VCKYTV1AB105K	J	1 10V Ceramic	AD
C404	VCKYTV1AB105K	J	1 10V Ceramic	AD
C406	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C408	VCCCCY1HH331J	J	330p 50V Ceramic	AA
C409	VCCCCY1HH331J	J	330p 50V Ceramic	AA
C411	VCCCCY1HH331J	J	330p 50V Ceramic	AA
C701	VCCCCY1HH471J	J	470p 50V Ceramic	AA
C702	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C703	VCEAPF1CN226M	J	22 16V Electrolytic	AD
C704	VCKYTV1CF105Z	J	1 16V Ceramic	AB

Ref. No.	Part No.	★	Description	Code
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C706	VCKYCY1HB562K	J	5600p 50V Ceramic	AA
C707	VCKYCY1CF334Z	J	0.33 16V Ceramic	AA
C708	VCEAPF0JN226M	J	22 6.3V Electrolytic	AD
C710	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C711	VCKYCY1EB103K	J	0.01 25V Ceramic	AA
C712	VCEAPT1CN226M	J	22 16V Electrolytic	AC
C713	RC-EZ1176CEZZ	J	100 16V Electrolytic	AK
C716	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C719	RC-EZ0420CEZZ	J	100 25V Electrolytic	AE
C721	VCEASD1HN336M	J	33 50V Electrolytic	AD
C722	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C728	VCKYTV1HF104Z	J	0.1 50V Ceramic	AA
C729	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C731	VCCCCY1HH181J	J	180p 50V Ceramic	AA
C733	RC-EZ0538CEZZ	J	330 16V Electrolytic	AE
C734	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C735	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C736	RC-EZ0416CEZZ	J	330 6.3V Electrolytic	AD
C737	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C738	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C740	VCEAPF1EN475M	J	4.7 25V Electrolytic	AC
C741	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C746	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C747	VCKYTV1HB562K	J	5600p 50V Ceramic	AA
C748	RC-EZ1339CEZZ	J	220 16V Electrolytic	AD
C749	RC-EZ1177CEZZ	J	150 6.3V Electrolytic	AH
C751	VCEA4U1CN228M	J	2200 16V Electrolytic	AE
C752	RC-FZ0173CEZZ	J	Capacitor	AG
C755	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C757	VCKYCY1CB273K	J	0.027 16V Ceramic	AA
C758	VCKYCY1CB273K	J	0.027 16V Ceramic	AA
C759	VCEAPF0JN107M	J	100 6.3V Electrolytic	AD
C760	VCKYTV1HB103K	J	0.01 50V Ceramic	AA
C761	VCKYTV1HB103K	J	0.01 50V Ceramic	AA
C762	RC-FZ0174CEZZ	J	0.12 100V Mylar	AG
C763	VCKYCY1HB562K	J	5600p 50V Ceramic	AA
C764	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C765	VCKYTV1CF105Z	J	1 16V Ceramic	AB
C801	VCEAPF1CN106M	J	10 16V Electrolytic	AD
C802	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C803	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C804	VCCCCY1HH7R0D	J	7p 50V Ceramic	AA
C805	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C806	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C807	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C808	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C809	VCEAPK1CN107M	J	100 16V Electrolytic	AD
C810	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C811	VCKYCY1HB331K	J	330p 50V Ceramic	AA
C812	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C813	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C814	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C815	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C816	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C817	VCKYTV1CF684Z	J	0.68 16V Ceramic	AB
C818	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C819	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C820	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C821	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C822	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C825	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C826	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C827	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C830	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C831	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C835	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C839	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C840	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C841	VCKYCY1CF224Z	J	0.22 16V Ceramic	AA
C842	VCEAPF0GW107M	J	100 4V Electrolytic	AC
C844	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C848	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C874	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C875	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C876	VCEAPF0GW107M	J	100 4V Electrolytic	AC

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>DUNTKA077DE16 MAIN UNIT(Continued)</b>					C1201	VCCCCY1HH220J	J 22p	50V Ceramic	AA
C878	RC-KZ1025CEZZ	J 1	10V Ceramic	AB	C1202	VCKYCY1HB103K	J 0.01	50V Ceramic	AA
C879	VCKYTV1CF684Z	J 0.68	16V Ceramic	AB	C1203	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C902	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C1204	VCCCCY1HH220J	J 22p	50V Ceramic	AA
C905	VCEAPF1CW106M	J 10	16V Electrolytic	AB	C1205	VCCCCY1HH220J	J 22p	50V Ceramic	AA
C906	VCEAPF1CW106M	J 10	16V Electrolytic	AB	C1206	VCEAPF1HN106M	J 10	50V Electrolytic	AD
C909	VCKYCY1HB682K	J 6800p	50V Ceramic	AA	C1207	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C910	VCKYCY1HB682K	J 6800p	50V Ceramic	AA	C1209	VCEAPF0JW107M	J 100	6.3V Electrolytic	AC
C911	VCEAPF1CW106M	J 10	16V Electrolytic	AB	C1210	VCEAPF0GW107M	J 100	4V Electrolytic	AC
C912	VCEAPF1CW106M	J 10	16V Electrolytic	AB	C1211	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C913	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C1212	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C914	RC-EZ0417CEZZ	J 150	16V Electrolytic	AD	C1213	VCEAPF0JW107M	J 100	6.3V Electrolytic	AC
C915	VCEAPF0JW336M	J 33	6.3V Electrolytic	AB	C1214	VCEAPF0GW107M	J 100	4V Electrolytic	AC
C916	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C1215	RC-KZ1025CEZZ	J 1	10V Ceramic	AB
C919	RC-KZ1025CEZZ	J 1	10V Ceramic	AB	C1217	VCEAPF1CW226M	J 22	16V Electrolytic	AB
C920	RC-KZ1025CEZZ	J 1	10V Ceramic	AB	C1218	VCEAPF1CN106M	J 10	16V Electrolytic	AD
C921	RC-KZ1025CEZZ	J 1	10V Ceramic	AB	C2001	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C922	RC-KZ1025CEZZ	J 1	10V Ceramic	AB	C2002	VCCCCY1HH221J	J 220p	50V Ceramic	AA
C923	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C2003	VCEAPF1HW105M	J 1	50V Electrolytic	AB
C924	VCEAPF1CW106M	J 10	16V Electrolytic	AB	C2006	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C925	RC-KZ1025CEZZ	J 1	10V Ceramic	AB	C2007	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C927	VCCCCY1HH560J	J 56p	50V Ceramic	AA	C2009	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C928	VCCCCY1HH560J	J 56p	50V Ceramic	AA	C2010	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C929	VCCCCY1HH560J	J 56p	50V Ceramic	AA	C2017	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C930	VCCCCY1HH5R0C	J 5p	50V Ceramic	AA	C2018	VCCCCY1HH101J	J 100p	50V Ceramic	AA
C931	VCCCCY1HH5R0C	J 5p	50V Ceramic	AA	C2019	VCKYTV1AB105K	J 1	10V Ceramic	AD
C932	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	C2020	VCKYCY1HB102K	J 1000p	50V Ceramic	AA
C933	RC-EZ0417CEZZ	J 150	16V Electrolytic	AD	C2021	VCEAPF1AW476M	J 47	10V Electrolytic	AB
C935	VCEAPF1CW226M	J 22	16V Electrolytic	AB	C2022	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA
C937	RC-EZ0417CEZZ	J 150	16V Electrolytic	AD	C2023	VCKYTV1AB105K	J 1	10V Ceramic	AD
C938	RC-EZ0417CEZZ	J 150	16V Electrolytic	AD	C2024	VCKYCY1HB222K	J 2200p	50V Ceramic	AA
C939	VCKYCY1HB561K	J 560p	50V Ceramic	AA	<b>RESISTORS</b>				
C940	VCKYCY1HB152K	J 1500p	50V Ceramic	AA	R201	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
C941	VCKYCY1HB152K	J 1500p	50V Ceramic	AA	R202	VRS-CY1JF103F	J 10k	1/16W Metal Oxide	AA
C942	VCKYCY1HB561K	J 560p	50V Ceramic	AA	R203	VRS-CY1JF102F	J 1k	1/16W Metal Oxide	AA
C943	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R204	VRS-CY1JF473F	J 47k	1/16W Metal Oxide	AA
C944	VCEAPF1CW106M	J 10	16V Electrolytic	AB	R205	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
C945	VCEAPF1HW225M	J 2.2	50V Electrolytic	AB	R206	VRS-CY1JF103F	J 10k	1/16W Metal Oxide	AA
C946	VCEAPF1HW225M	J 2.2	50V Electrolytic	AB	R207	VRS-CY1JF622F	J 6.2k	1/16W Metal Oxide	AA
C954	VCEAPF1CW106M	J 10	16V Electrolytic	AB	R208	VRS-CY1JF473F	J 47k	1/16W Metal Oxide	AA
C955	VCKYTV1CF105Z	J 1	16V Ceramic	AB	R209	VRS-CY1JF123F	J 12k	1/16W Metal Oxide	AA
C956	VCKYTV1CF105Z	J 1	16V Ceramic	AB	R210	VRS-CY1JF242F	J 2.4k	1/16W Metal Oxide	AA
C957	VCEAPF1EW475M	J 4.7	25V Electrolytic	AB	R211	VRS-CY1JF332F	J 3.3k	1/16W Metal Oxide	AA
C958	VCEAPF1EW475M	J 4.7	25V Electrolytic	AB	R212	VRS-CY1JF332F	J 3.3k	1/16W Metal Oxide	AA
C961	VCKYCY1HB102K	J 1000p	50V Ceramic	AA	R213	VRS-CY1JF682F	J 6.8k	1/16W Metal Oxide	AA
C962	VCKYCY1HB102K	J 1000p	50V Ceramic	AA	R214	VRS-CY1JF122F	J 1.2k	1/16W Metal Oxide	AA
C963	VCKYCY1HB102K	J 1000p	50V Ceramic	AA	R215	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
C964	VCKYCY1HB102K	J 1000p	50V Ceramic	AA	R216	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA
C1101	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R217	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
C1102	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R218	VRS-CY1JF391J	J 390	1/16W Metal Oxide	AA
C1103	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R219	VRS-TV1JD103J	J 10k	1/16W Metal Oxide	AA
C1104	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R220	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
C1105	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R301	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C1106	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R302	VRS-TX2HF8R2J	J 8.2	1/2W Metal Oxide	AA
C1107	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R303	VRS-CY1JF561J	J 560	1/16W Metal Oxide	AA
C1108	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R304	VRS-CY1JF561J	J 560	1/16W Metal Oxide	AA
C1109	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R305	VRS-TX2HF8R2J	J 8.2	1/2W Metal Oxide	AA
C1110	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R308	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
C1111	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R309	VRS-TW2ED222J	J 2.2k	1/4W Metal Oxide	AA
C1112	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R310	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
C1113	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R311	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
C1114	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R314	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
C1115	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R315	VRS-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA
C1116	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R316	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
C1117	VCCCCY1HH560J	J 56p	50V Ceramic	AA	R317	VRS-CY1JF392J	J 3.9k	1/16W Metal Oxide	AA
C1118	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R324	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA
C1119	VCKYTV1CF105Z	J 1	16V Ceramic	AB	R327	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C1120	VCKYTV1EF104Z	J 0.1	25V Ceramic	AB	R328	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
C1122	VCKYTV1CF105Z	J 1	16V Ceramic	AB	R329	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
C1123	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R331	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C1124	VCKYCY1EF104Z	J 0.1	25V Ceramic	AA	R401	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
C1127	VCEAPF1CN107M	J 100	16V Electrolytic	AD	R402	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
C1128	VCE9PF1CN106M	J 10	16V Electrolytic	AD	R403	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
					R404	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>DUNTKA077DE16 MAIN UNIT(Continued)</b>					R811	VRS-CY1JF222J	J 2.2k	1/16W Metal Oxide	AA
R405	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R812	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R406	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R813	VRS-CB1JF220J	J 22	1/16W Metal Oxide	AC
R407	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R814	VRS-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA
R408	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R815	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R409	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R816	VRS-CA1JF470J	J 47	1/16W Metal Oxide	AB
R410	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R819	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R411	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R826	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R418	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R831	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
R420	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R832	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
R424	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA	R833	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
R430	VRS-CA1JF101J	J 100	1/16W Metal Oxide	AA	R834	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
R434	VRS-CY1JF105J	J 1M	1/16W Metal Oxide	AA	R852	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R435	VRS-CY1JF105J	J 1M	1/16W Metal Oxide	AA	R860	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R436	VRS-CY1JF105J	J 1M	1/16W Metal Oxide	AA	R861	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R437	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R901	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R701	VRS-CY1JF1R0J	J 1	1/16W Metal Oxide	AA	R902	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R702	VRS-CY1JF154J	J 150k	1/16W Metal Oxide	AA	R903	VRS-CY1JF101J	J 100	1/16W Metal Oxide	AA
R703	VRS-CY1JF274J	J 270k	1/16W Metal Oxide	AA	R905	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R704	VRS-TQ2BD000J	J 0	1/8W Metal Oxide	AA	R909	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
R705	VRS-TX2HF000J	J 0	1/2W Metal Oxide	AA	R910	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
R706	VRS-CR3AD821J	J 820	1W Metal Oxide	AC	R913	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R707	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R914	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R708	VRS-CY1JF272F	J 2.7k	1/16W Metal Oxide	AA	R915	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R709	VRS-CY1JF123F	J 12k	1/16W Metal Oxide	AA	R916	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R711	VRS-CY1JF184J	J 180k	1/16W Metal Oxide	AA	R917	VRS-CY1JF105J	J 1M	1/16W Metal Oxide	AA
R712	VRS-CY1JF683F	J 68k	1/16W Metal Oxide	AA	R918	VRS-CY1JF822F	J 8.2k	1/16W Metal Oxide	AA
R713	VRS-CY1JF133F	J 13k	1/16W Metal Oxide	AA	R919	VRS-CY1JF822F	J 8.2k	1/16W Metal Oxide	AA
R715	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R920	VRS-CY1JF822F	J 8.2k	1/16W Metal Oxide	AA
R716	VRS-TX2HF000J	J 0	1/2W Metal Oxide	AA	R921	VRS-CY1JF822F	J 8.2k	1/16W Metal Oxide	AA
R717	VRS-CY1JF152F	J 1.5k	1/16W Metal Oxide	AA	R922	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R718	VRS-CY1JF274J	J 270k	1/16W Metal Oxide	AA	R923	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R719	VRS-CY1JF563F	J 56k	1/16W Metal Oxide	AA	R924	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R720	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA	R925	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R721	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R951	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R722	VRS-CY1JF105J	J 1M	1/16W Metal Oxide	AA	R954	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
R723	VRS-CY1JF682J	J 6.8k	1/16W Metal Oxide	AA	R958	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R724	VRS-TQ2BD000J	J 0	1/8W Metal Oxide	AA	R959	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R725	VRS-CY1JF1R0J	J 1	1/16W Metal Oxide	AA	R960	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R726	VRS-CY1JF1R0J	J 1	1/16W Metal Oxide	AA	R961	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R729	VRS-TQ2BD000J	J 0	1/8W Metal Oxide	AA	R962	VRS-CY1JF153J	J 15k	1/16W Metal Oxide	AA
R731	VRS-TQ2BD000J	J 0	1/8W Metal Oxide	AA	R963	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R732	VRS-TW2ED222J	J 2.2k	1/4W Metal Oxide	AA	R964	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R733	VRS-TQ2BD683J	J 68k	1/8W Metal Oxide	AA	R965	VRS-CY1JF473J	J 47k	1/16W Metal Oxide	AA
R734	VRS-CY1JF393J	J 39k	1/16W Metal Oxide	AA	R966	VRS-CY1JF152J	J 1.5k	1/16W Metal Oxide	AA
R735	VRS-CY1JF223J	J 22k	1/16W Metal Oxide	AA	R967	VRS-CY1JF152J	J 1.5k	1/16W Metal Oxide	AA
R736	VRS-CY1JF1R0J	J 1	1/16W Metal Oxide	AA	R968	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R737	VRS-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA	R969	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R738	VRS-TW2ED102J	J 1k	1/4W Metal Oxide	AA	R1101	VRS-CA1JF333J	J 33k	1/16W Metal Oxide	AA
R739	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA	R1102	VRS-CA1JF103J	J 10k	1/16W Metal Oxide	AA
R740	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA	R1103	VRS-CA1JF103J	J 10k	1/16W Metal Oxide	AA
R741	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1104	VRS-CA1JF333J	J 33k	1/16W Metal Oxide	AA
R742	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1105	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R747	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1106	VRS-CA1JF333J	J 33k	1/16W Metal Oxide	AA
R748	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1107	VRS-CA1JF103J	J 10k	1/16W Metal Oxide	AA
R751	VRS-TW2ED392J	J 3.9k	1/4W Metal Oxide	AA	R1108	VRS-CA1JF103J	J 10k	1/16W Metal Oxide	AA
R752	VRS-TW2ED392J	J 3.9k	1/4W Metal Oxide	AA	R1109	VRS-CA1JF333J	J 33k	1/16W Metal Oxide	AA
R753	VRS-CY1JF333J	J 33k	1/16W Metal Oxide	AA	R1110	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R754	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1111	VRS-CY1JF104J	J 100k	1/16W Metal Oxide	AA
R765	VRS-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R1112	VRS-CY1JF103F	J 10k	1/16W Metal Oxide	AA
R766	VRS-CA1JF821J	J 820	1/16W Metal Oxide	AA	R1113	VRS-CA1JF333J	J 33k	1/16W Metal Oxide	AA
R768	VRS-CA1JF104J	J 100k	1/16W Metal Oxide	AA	R1114	VRS-CY1JF103F	J 10k	1/16W Metal Oxide	AA
R770	VRS-CA1JF562J	J 5.6k	1/16W Metal Oxide	AA	R1115	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
R772	VRS-CY1JF563J	J 56k	1/16W Metal Oxide	AA	R1116	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
R773	VRS-TW2ED000J	J 0	1/4W Metal Oxide	AB	R1117	VRS-CY1JF102J	J 1k	1/16W Metal Oxide	AA
R774	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA	R1118	VRS-CY1JF823F	J 82k	1/16W Metal Oxide	AA
R801	VRS-CB1JF221J	J 220	1/16W Metal Oxide	AC	R1119	VRS-CY1JF472F	J 4.7k	1/16W Metal Oxide	AA
R802	VRS-CB1JF220J	J 22	1/16W Metal Oxide	AC	R1120	VRS-TW2ED5R6J	J 5.6	1/4W Metal Oxide	AA
R803	VRS-CB1JF220J	J 22	1/16W Metal Oxide	AC	R1121	VRS-CY1JF181J	J 180	1/16W Metal Oxide	AA
R804	VRS-CA1JF101J	J 100	1/16W Metal Oxide	AA	R1122	VRS-CY1JF181J	J 180	1/16W Metal Oxide	AA
R806	VRS-CY1JF221J	J 220	1/16W Metal Oxide	AA	R1124	VRS-CY1JF472F	J 4.7k	1/16W Metal Oxide	AA
R809	VRS-CY1JF750J	J 75	1/16W Metal Oxide	AA	R1125	VRS-TW2ED101J	J 100	1/4W Metal Oxide	AA
R810	VRS-CB1JF220J	J 22	1/16W Metal Oxide	AC	R1126	VRS-CY1JF000J	J 0	1/16W Metal Oxide	AA
					R1127	VRS-TX2HF000J	J 0	1/2W Metal Oxide	AA
					R1129	VRS-CY1JF563F	J 56k	1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code	Ref. No.	Part No.	★	Description	Code
<b>DUNTKA077DE16 MAIN UNIT(Continued)</b>									
R1130	VR5-TW2ED5R6J	J 5.6	1/4W Metal Oxide	AA	R2057	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1132	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA	R2058	VR5-CY1JF474J	J 470k	1/16W Metal Oxide	AA
R1133	VR5-CY1JF223F	J 22k	1/16W Metal Oxide	AA	R2059	VR5-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R1134	VR5-CY1JF822F	J 8.2k	1/16W Metal Oxide	AA	R2061	VR5-CY1JF223J	J 22k	1/16W Metal Oxide	AA
R1135	VR5-CY1JF561J	J 560	1/16W Metal Oxide	AA	R2062	VR5-CY1JF333J	J 33k	1/16W Metal Oxide	AA
R1136	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA	R2063	VR5-CY1JF333J	J 33k	1/16W Metal Oxide	AA
R1137	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA	R2067	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1138	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA	R2068	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA
R1143	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R2074	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1144	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R2075	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1145	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R2076	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA
R1146	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA	R2083	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA
R1147	VR5-CY1JF100J	J 10	1/16W Metal Oxide	AA	<b>BALUNES</b>				
R1149	VR5-CY1JF562J	J 5.6k	1/16W Metal Oxide	AA	FB702	RBLN-0051TAZZ	J Balun, BLN-0051TA		AC
R1150	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA	FB703	RBLN-0051TAZZ	J Balun, BLN-0051TA		AC
R1202	VR5-CB1JF220J	J 22	1/16W Metal Oxide	AC	FB704	RBLN-0051TAZZ	J Balun, BLN-0051TA		AC
R1203	VR5-CA1JF220J	J 22	1/16W Metal Oxide	AA	FB705	RBLN-0095CEZZ	J Balun, BLN-0095CE		AD
R1204	VR5-CB1JF220J	J 22	1/16W Metal Oxide	AC	FB706	RBLN-0051TAZZ	J Balun, BLN-0051TA		AC
R1205	VR5-CA1JF220J	J 22	1/16W Metal Oxide	AA	FB708	RBLN-0095CEZZ	J Balun, BLN-0095CE		AD
R1206	VR5-CB1JF220J	J 22	1/16W Metal Oxide	AC	FB709	RBLN-0090CEZZ	J Balun, BLN-0090CE		AD
R1207	VR5-CA1JF220J	J 22	1/16W Metal Oxide	AA	FB801	RBLN-0090CEZZ	J Balun, BLN-0090CE		AD
R1208	VR5-CY1JF560J	J 56	1/16W Metal Oxide	AA	FB802	RBLN-0090CEZZ	J Balun, BLN-0090CE		AD
R1209	VR5-CA1JF220J	J 22	1/16W Metal Oxide	AA	FB901	RBLN-0006TAZZ	J Balun, BLN-0006TA		AB
R1210	VR5-CY1JF220J	J 22	1/16W Metal Oxide	AA	FB1201	RBLN-0090CEZZ	J Balun, BLN-0090CE		AD
R1211	VR5-CY1JF221J	J 220	1/16W Metal Oxide	AA	FB1202	RBLN-0006TAZZ	J Balun, BLN-0006TA		AB
R1212	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA	FB1203	RBLN-0076TAZZ	J Balun, BLN-0076TA		AC
R1214	VR5-CB1JF101J	J 100	1/16W Metal Oxide	AA	<b>MISCELLANEOUS PARTS</b>				
R1217	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA	P701	QPLGN1178GEZZ	J Plug, 11Pin		AC
R1218	VR5-CA1JF101J	J 100	1/16W Metal Oxide	AA	P751	QPLGN0155FJZZ	J Plug, 3Pin(HV)		AE
R1220	VR5-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA	P752	QPLGN0155FJZZ	J Plug, 3Pin(HU)		AE
R1221	VR5-CB1JF332J	J 3.3k	1/16W Metal Oxide	AC	P2002	QPLGN1320REZZ	J Plug, 13Pin		AC
R1222	VR5-CB1JF101J	J 100	1/16W Metal Oxide	AA	P2003	QPLGN0520REZZ	J Plug, 5Pin		AB
R1223	VR5-CA1JF101J	J 100	1/16W Metal Oxide	AA	P2004	QPLGN0420REZZ	J Plug, 4Pin		AA
R1225	VR5-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA	SC401	QSOCN0464FJZZ	J Socket, 50Pin		AH
R1228	VR5-CY1JF000J	J 0	1/16W Metal Oxide	AA	SC1201	QSOCN0461FJZZ	J Socket, 53Pin		AH
R1229	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA	SC1203	QSOCN0199FJZZ	J Socket, 20Pin		AE
R1230	VR5-CY1JF562J	J 5.6k	1/16W Metal Oxide	AA	LHLDW1077GEZZ	J Holder			AA
R1232	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA	<b>DUNTKA645DE01 TERMINAL UNIT</b>				
R1233	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA	<b>TUNER</b>				
R1234	VR5-CY1JF472J	J 4.7k	1/16W Metal Oxide	AA	<b>NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.</b>				
R1235	VR5-CB1JF473J	J 47k	1/16W Metal Oxide	AC	TU3201	VTUVT2U5CD553	J VHF Tuner		BD
R1236	VR5-CB1JF473J	J 47k	1/16W Metal Oxide	AC	<b>TRANSISTORS</b>				
R2001	VR5-CY1JF102J	J 1k	1/16W Metal Oxide	AA	Q3201	VS2TC144EE/-1	J DTC144EE		AA
R2002	VR5-CY1JF102J	J 1k	1/16W Metal Oxide	AA	Q3202	VS2TC144EE/-1	J DTC144EE		AA
R2003	VR5-CY1JF223J	J 22k	1/16W Metal Oxide	AA	Q3203	VS2TC144EE/-1	J DTC144EE		AA
R2004	VR5-CY1JF223J	J 22k	1/16W Metal Oxide	AA	Q3204	VS2SC2712Y/-1	J 2SC2712Y		AB
R2007	VR5-CY1JF223J	J 22k	1/16W Metal Oxide	AA	Q3205	VS2SC3928AR-1	J 2SC3928AR		AB
R2008	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA	Q3301	VS2SC3928AR-1	J 2SC3928AR		AB
R2009	VR5-CY1JF102J	J 1k	1/16W Metal Oxide	AA	Q3302	VS2SC2712Y/-1	J 2SC2712Y		AB
R2010	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA	Q3303	VSDTC314TK/-1	J DTC314TK		AC
R2011	VR5-CB1JF101J	J 100	1/16W Metal Oxide	AA	Q3304	VSDTC314TK/-1	J DTC314TK		AC
R2014	VR5-CA1JF103J	J 10k	1/16W Metal Oxide	AA	Q3401	VS2SC3928AR-1	J 2SC3928AR		AB
R2016	VR5-CA1JF223J	J 22k	1/16W Metal Oxide	AA	Q3402	VS2SC3928AR-1	J 2SC3928AR		AB
R2018	VR5-CA1JF101J	J 100	1/16W Metal Oxide	AA	Q3403	VS2TC144EE/-1	J DTC144EE		AA
R2019	VR5-CB1JF331J	J 330	1/16W Metal Oxide	AC	Q3404	VS2SK1467/-1	J 2SK1467		AE
R2025	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA	Q3405	VS2SK1467/-1	J 2SK1467		AE
R2028	VR5-CB1JF102J	J 1k	1/16W Metal Oxide	AA	<b>DIODES</b>				
R2031	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA	D3301	VHDDE5SC4M/-1	J DE5SC4M		AF
R2035	VR5-CY1JF102J	J 1k	1/16W Metal Oxide	AA	D3401	RH-EX1271CEZZ	J Zener Diode, 12V		AB
R2041	VR5-CA1JF101J	J 100	1/16W Metal Oxide	AA	D3402	RH-EX1271CEZZ	J Zener Diode, 12V		AB
R2042	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA	D3403	RH-EX1271CEZZ	J Zener Diode		AB
R2045	VR5-CY1JF223J	J 22k	1/16W Metal Oxide	AA					
R2047	VR5-CY1JF223J	J 22k	1/16W Metal Oxide	AA					
R2048	VR5-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA					
R2049	VR5-CY1JF332J	J 3.3k	1/16W Metal Oxide	AA					
R2050	VR5-CY1JF562J	J 5.6k	1/16W Metal Oxide	AA					
R2051	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA					
R2052	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA					
R2053	VR5-CY1JF104J	J 100k	1/16W Metal Oxide	AA					
R2054	VR5-CY1JF333J	J 33k	1/16W Metal Oxide	AA					
R2055	VR5-CY1JF103J	J 10k	1/16W Metal Oxide	AA					
R2056	VR5-CY1JF101J	J 100	1/16W Metal Oxide	AA					



Ref. No.	Part No.	★	Description	Code
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**DUNTKA645DE01**  
**TERMINAL UNIT(Continued)**

**COILS**

L3201	VP-1M220J2R9N	J	Peaking, 22μH	AC
L3202	RCiLC0141CEZZ	J	Coil, CiLC0141CE	AF
L3401	VP-1M101J7R7N	J	Peaking, 100μH	AC

**CAPACITORS**

C3201	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3202	VCEA4U0JN338M	J	3300 6.3V Electrolytic	AE
C3203	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C3204	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3205	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3207	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3208	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3209	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3210	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C3301	VCE9PF1AW106M	J	10 10V Electrolytic	AE
C3302	VCE9PF1AW106M	J	10 10V Electrolytic	AE
C3303	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3304	VCKYTV1CB105K	J	1 16V Ceramic	AC
C3305	VCKYTV1CB105K	J	1 16V Ceramic	AC
C3306	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C3308	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C3311	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C3312	RC-EZ0417CEZZ	J	150 16V Electrolytic	AD
C3313	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C3314	VCKYTV1CB105K	J	1 16V Ceramic	AC
C3315	VCKYTV1CB105K	J	1 16V Ceramic	AC
C3402	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3403	VCEAPW1CN477M	J	470 16V Electrolytic	AE
C3404	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C3405	VCEAPF0JW336M	J	33 6.3V Electrolytic	AB
C3406	RC-KZ1025CEZZ	J	1 10V Ceramic	AB
C3407	VCEAPF0JW226M	J	22 6.3V Electrolytic	AB

**RESISTORS**

R3201	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3202	VRS-CA1JF561J	J	560 1/16W Metal Oxide	AA
R3203	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3204	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3205	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R3206	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R3207	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R3208	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R3209	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3210	VRS-TQ2BD000J	J	0 1/8W Metal Oxide	AA
R3301	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3302	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3303	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3304	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3305	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3306	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3307	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3308	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3309	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3310	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3313	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3314	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3315	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3316	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3319	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3320	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3321	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R3323	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3324	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3326	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3327	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3328	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3329	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3330	VRS-TX2HF331J	J	330 1/2W Metal Oxide	AB
R3331	VRS-TX2HF331J	J	330 1/2W Metal Oxide	AB
R3332	VRS-CR3AD3R9J	J	3.9 1W Metal Oxide	AC
R3333	VRS-CR3AD3R9J	J	3.9 1W Metal Oxide	AC

Ref. No.	Part No.	★	Description	Code
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R3334	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R3401	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3402	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3404	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3405	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3409	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R3410	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R3411	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R3412	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R3413	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R3414	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3415	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3416	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R3417	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R3701	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB
R3702	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB

**BALUNES**

FB3401	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3402	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3403	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3404	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3405	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3406	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3407	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3408	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3409	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3410	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3411	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3412	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3413	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB
FB3414	RBLN-0059CEZZ	J	Balun, BLN-0059CE	AB

**MISCELLANEOUS PARTS**

△ FH3701	QFSHD1002CEZZ	J	Fuse Holder	AA
△ FH3702	QFSHD1002CEZZ	J	Fuse Holder	AA
△ FH3703	QFSHD1002CEZZ	J	Fuse Holder	AA
△ FH3704	QFSHD1002CEZZ	J	Fuse Holder	AA
△ FH3751	QFSHD1002CEZZ	J	Fuse Holder	AA
△ FH3752	QFSHD1002CEZZ	J	Fuse Holder	AA
△ F3701	QFS-C1223CEZZ	J	Fuse, 1.25A	AD
△ F3702	QFS-C1223CEZZ	J	Fuse, 1.25A	AD
△ F3751	QFS-C2023CEZZ	J	Fuse, 2A	AD
J3301	QSOD0406GEZZ	J	Socket, AV Input 1	AF
J3302	QJAKJ0080CEZZ	J	Jack, AV Output	AF
J3303	QJAKE0166CEZZ	J	Jack, AV Input 1	AE
J3304	QJAKE0167CEZZ	J	Jack, AV Input 1	AE
J3305	QJAKJ0080CEZZ	J	Jack, AV Input 2	AF
J3401	QJAKJ0080CEZZ	J	Jack, AV Input 2	AF
J3402	QJAKE0168CEZZ	J	Jack, AV Input 1	AE
J3403	QJAKJ0080CEZZ	J	Jack, AV Output	AF
J3404	QJAKJ0080CEZZ	J	Jack, Head Phone	AF
J3701	QJAKE0165CEZZ	J	Jack, Power Input	AE
P3203	QPLGN0280GEZZ	J	Plug, 2Pin	AB
P3204	QPLGN0280GEZZ	J	Plug, 2Pin	AB
P3701	QPLGN1178GEZZ	J	Plug, 11Pin	AC
SC3401	QSOCN0464FJZZ	J	Socket, 50Pin	AH

**DUNTKA646DE01**  
**OPERATION UNIT**

**DIODES**

D4016	RH-EX1271CEZZ	J	Zener Diode	AB
D4017	RH-EX1271CEZZ	J	Zener Diode	AB
D4018	RH-EX1283CEZZ	J	Zener Diode	AB
D4019	RH-EX1283CEZZ	J	Zener Diode	AB

**CAPACITORS**

C4001	VCCCCY1HH471J	J	470p 50V Ceramic	AA
C4002	VCCCCY1HH471J	J	470p 50V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
<b>DUNTKA646DE01 OPERATION UNIT(Continued)</b>				
<b>RESISTORS</b>				
R4080	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R4081	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4082	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4083	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R4084	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R4085	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R4086	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
<b>SWITCHES</b>				
S4009	QSW-K0088GEZZ	J	Switch, MENU	AD
S4010	QSW-K0088GEZZ	J	Switch, CH(+)	AD
S4011	QSW-K0088GEZZ	J	Switch, CH(-)	AD
S4012	QSW-K0088GEZZ	J	Switch, MUTE	AD
S4013	QSW-K0088GEZZ	J	Switch, BRIGHT	AD
S4014	QSW-K0088GEZZ	J	Switch, VOL(-)	AD
S4015	QSW-K0088GEZZ	J	Switch, VOL(+)	AD
S4016	QSW-K0088GEZZ	J	Switch, TV/VIDEO	AD
S4017	QSW-K0088GEZZ	J	Switch, DISPLAY	AD
S4701	QSW-S0213CEZZ	J	Switch, MAIN POWER	AE
<b>MISCELLANEOUS PART</b>				
P4004	QPLGN0564TAZZ	J	Plug, 5Pin	AC

#### DUNTKA647DE01 LED UNIT

<b>TRANSISTORS</b>				
Q4106	VSDTC144EE/-1	J	DTC144EE	AA
Q4107	VSUMG4/////1	J	UMG4	AC
<b>DIODES AND LED</b>				
D4120	RH-EX1271CEZZ	J	Zener Diode	AB
D4121	RH-EX1271CEZZ	J	Zener Diode	AB
D4122	RH-PX0368CEZZ	J	PhotoDiode	AE
<b>CAPACITOR</b>				
C4120	VCKYTV1CF105Z	J	1 16V Ceramic	AB
<b>RESISTORS</b>				
R4187	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R4188	VRS-CY1JF102J	J	1k 1/16W Metal Oxide	AA
R4189	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4190	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
<b>MISCELLANEOUS PARTS</b>				
RMC4101	RRMCU0239CEZZ	J	Remote Receiver	AG
SC4102	QPLGN0464TAZZ	J	Plug, 4Pin	AC
SLD4101	PSLDM4646CEFW	J	Shield	AD

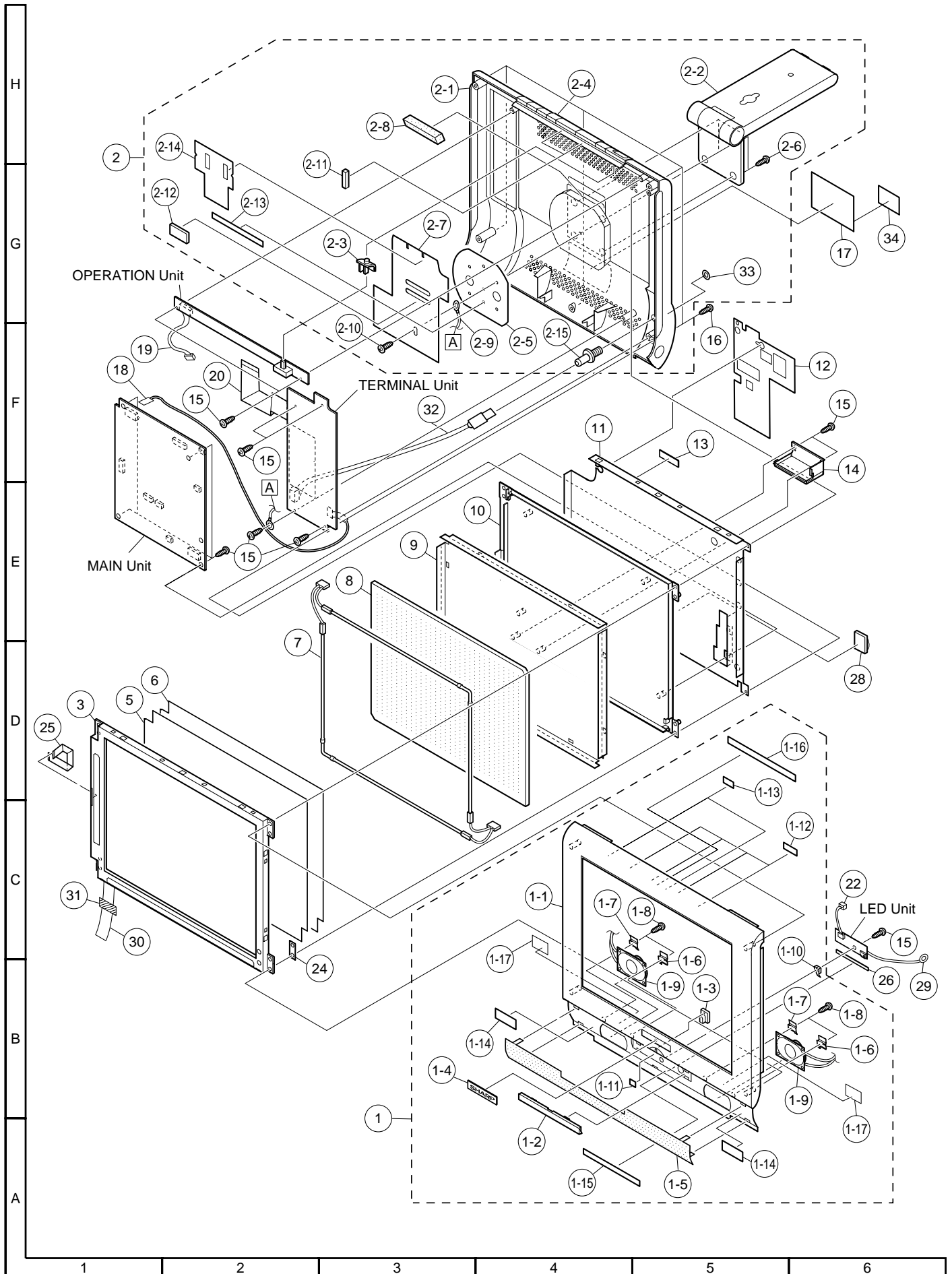
Ref. No.	Part No.	★	Description	Code
<b>SUPPLIED ACCESSORIES</b>				
⚠	LANGU9053CE01	J	Wall Mount Parts	AS
	QACCB0016TAZZ	J	AC Cord(LC-10A3E(K))	AV
	QACCK0002TAZZ	J	AC Cord(LC-10A3E)	AM
	QCNW-5685CEZZ	J	AV Cable for Mini-jack	AY
	RRMCG1618CESA	J	Infrared R/C Unit	AV
⚠	TiNS-7449CEZZ	J	Operation Manual	
	UADP-0225CEPZ	J	AC Adaptor	

#### PACKING PARTS (NOT REPLACEMENT ITEM)

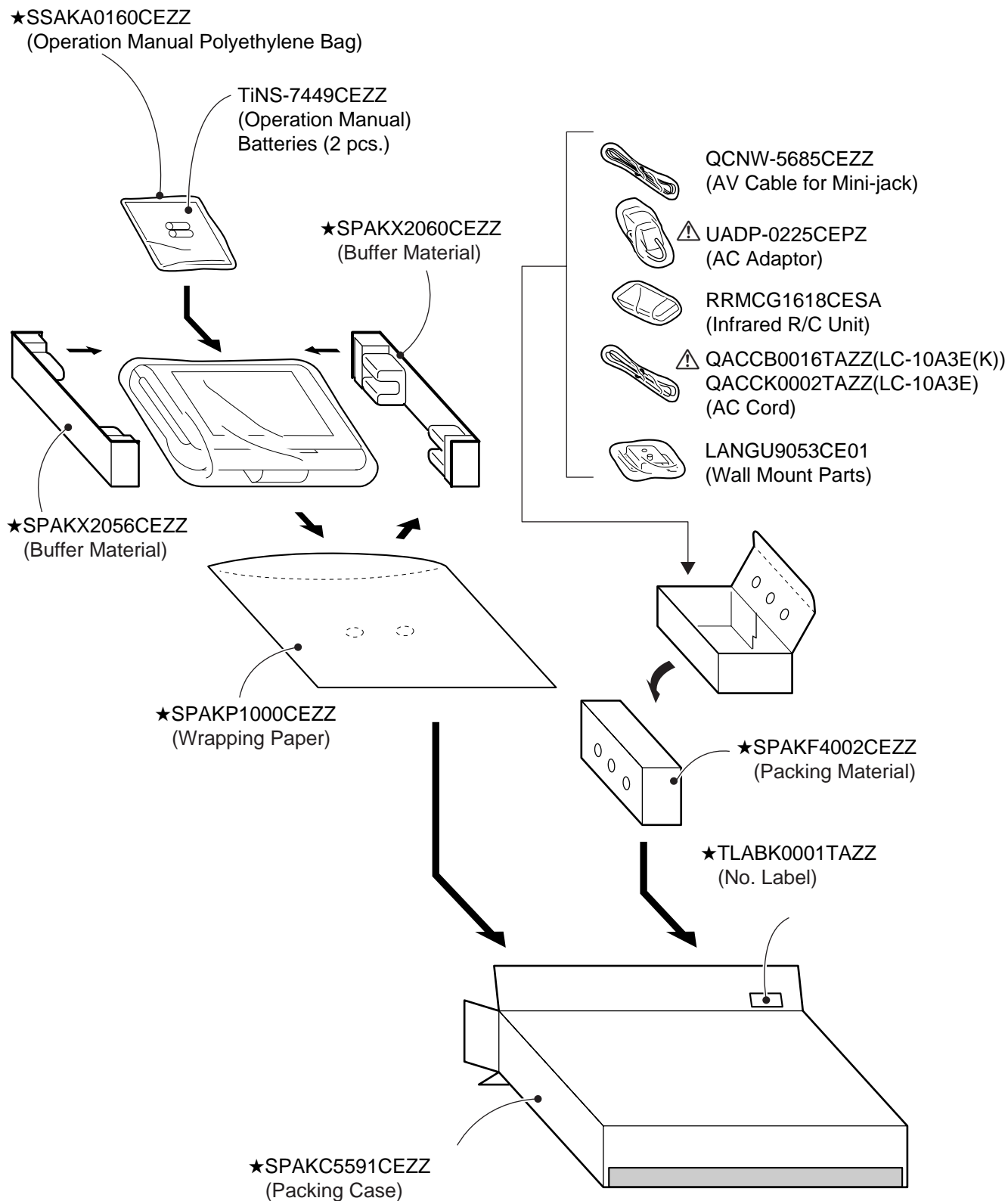
SPAKC5591CEZZ	-	Packing Case	—
SPAKF4002CEZZ	-	Packing Material	—
SPAKP1000CEZZ	-	Wrapping Paper	—
SPAKX2056CEZZ	-	Buffer Material	—
SPAKX2060CEZZ	-	Buffer Material	—
SSAKA0160CEZZ	-	Operation Manual	—
		Polyethylene Bag	—
TLABK0001TAZZ	-	No. Label	—

Ref. No.	Part No.	★	Description	Code
<b>CABINET PARTS LOCATION</b>				
1	CCABA2425CE05	J	Front Cabinet Ass'y	
1-1	<i>Not Available</i>	—	Front Cabinet	—
1-2	GCOVA2018CEKA	J	Cover, for R/C Receiver	
1-3	GCOVA1817CESA	J	Cover, for LED	AE
1-4	HBDGB3133CESM	J	Badge, "SHARP"	
1-5	HDECA0200CESG	J	Decoration Plate	
1-6	LANGS0101CEFW	J	Speaker Punching (R), x2	AD
1-7	LANGS0102CEFW	J	Speaker Punching (L), x2	AD
1-8	XEBSD20P05000	J	Screw, for Speaker, x4	AA
1-9	VSP4030P-428D	J	Speaker, x2	AR
1-10	MSPRP0200CEFW	J	Spring, for Punching Earth	AD
1-11	PSPAP0052CEZZ	J	Spacer	AA
1-12	PSPAG2002CEZZ	J	Spacer, x4	AA
1-13	PSPAG2003CEZZ	J	Spacer, x2	AA
1-14	PSPAH1002CEZZ	J	Spacer, x2	AB
1-15	PSPAH1003CEZZ	J	Spacer	AB
1-16	PSPAH1004CEZZ	J	Spacer	AB
1-17	PSPAH0704CEUZ	J	SP Spacer	
2	CCABB2324CE01	J	Rear Cabinet Ass'y	
2-1	<i>Not Available</i>	—	Rear Cabinet	—
2-2	GDAl-1084CESD	J	Set Stand	AX
2-3	JKNBP1166CEKA	J	Knob, Power	AE
2-4	JBTN-2075CEKA	J	Button, Control	
2-5	LANGF9600CEFW	J	Set Stand Angle	AG
2-6	XBPSF30P10KS0	J	Screw, x4	AB
2-7	PZETZ0015CEZZ	J	Insulator, Set Stand	AG
2-8	PMLT-0316CEZZ	J	Absorber	AB
2-9	QCNW-6047CEZZ	J	Earth Cable	AB
2-10	XEBSD30P08000	J	Screw	AA
2-11	PMLT-0318CEZZ	J	Absorber, x2	AB
2-12	PMLT-0356CEZZ	J	Absorber	AB
2-13	PSPAG2004CEZZ	J	Spacer	AB
2-14	PSPAH1001CEZZ	J	Spacer	AD
2-15	QCNCW0129CEZZ	J	PAL-RCA Convert	
3	RLCDT0067CEZZ	J	LCD Module Unit	
5	PSHEP0271CEZZ	J	Diffusion Sheet	AH
6	PSHEP0271CEZZ	J	Diffusion Sheet	AH
△ 7	KLMP-0116CEZZ	J	Lamp	AZ
8	PGIDM0100CEZZ	J	Light Guide Plate	AV
9	PSHEP0272CEZZ	J	Diffusion Sheet	AF
10	LHLDZ2141CEKZ	J	Panel Holder	AS
11	PSLDM4602CEFW	J	Shield	AK
12	PZETK0101CEZZ	J	Insulator	AF
13	PSPAG2000CEZZ	J	Light Shielding Spacer	AC
14	PSLDM4674CEFW	J	Shield	AF
15	XEBSD30P08000	J	Screw, x14	AA
16	XEBSF30P12000	J	Screw, x5	AA
17	HiNDP5844CESA	J	Model Label	
18	QCNW-5538CEZZ	J	Power Cable	AG
19	QCNW-5279CEZZ	J	Key Cable	AF
20	QCNW-5539CEZZ	J	Main-Terminal FFC	AK
22	QCNW-5285CEZZ	J	RC/LED Cable	AF
24	PSPAK0035CEZZ	J	Spacer	AA
25	QCNW-4941CEZZ	J	Gate FFC	AE
26	PSPAG2001CEZZ	J	Spacer	AE
28	LHLDW1173CEZZ	J	Wire Holder	AD
29	QCNW-5710CEZZ	J	Earth Wire	AC
30	QCNW-5951CEZZ	J	Source FFC	AF
31	RCORF0064CEZZ	J	Core	AL
32	QCNW-6049CEZZ	J	ANT Cable	
33	LX-NZ3047GEZZ	J	Nut	AA
34	TLABN0369CEZZ	J	Serial No. Label (LC-10A3E)	
34	TLABN0370CEZZ	J	Serial No. Label (LC-10A3E(K))	

# CABINET AND MECHANICAL PARTS



# PACKING OF THE SET



★ Not Replacement Item

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